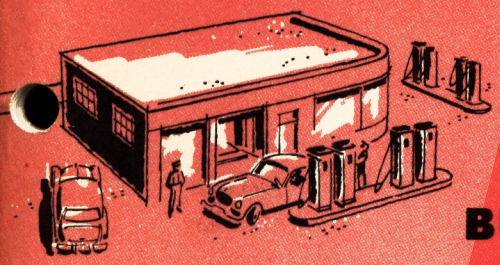
Buckeye

CATALOG NO. 14

VALVES and FITTINGS

SERVICE STATIONS



BULK PLANTS

TANK TRUCKS

AIRPORTS

Buckeye Iron & Brass Works was one of the early manufacturers of valves and fittings for the oil industry.

Many years ago Buckeye began the manufacturing of a few items then needed for the handling, transporting and storing of petroleum products. This was a natural transition, for Buckeye had been a leading manufacturer of valves for steam and traction engines. It was sound and desirable to transfer this know-how and skilled workmanship to precision equipment for the oil industry.

During the intervening years the requirements for new and varied products increased by leaps and bounds as the oil industry achieved its phenomenal growth.

Buckeye has kept pace with this growth. We have a well integrated, compact company, locally owned, with a Dun & Bradstreet rating of AAA1. We start with an original idea and see it through in our own plant to finished production because we have our own Engineering, Wood and Metal Pattern Departments and a modern Tool Room in addition to our various production departments equipped with machines of latest design.

Not only has Buckeye many firsts to its credit, but its Engineering and Production facilities were widely used during World War II to supply all branches of the Armed Forces. This, together with the fact that Buckeye products have been used by oil companies with international operations, has brought them into world-wide use.

On the pages that follow will be found an array of products designed and built to meet the present and future needs of exacting oil company engineers—for the varied installations called for in changing and unusual conditions.

Not only have Buckeye products met with favorable acceptance throughout the industry, but the sound and sturdy growth of Buckeye Iron & Brass Works gives evidence of genuine relationships with all our customers, and the reputation for fair dealing over many years.

We pledge to our good customers and friends an even greater effort of cooperation and service in the years to come.

BUCKEYE IRON & BRASS WORKS

(Incorporated 1876)

FACTORY—324 EAST THIRD STREET
MAILING ADDRESS—P. O. BOX 883
DAYTON 1, OHIO

Buckeye
CATALOG NO. 14

QUALITY VALVES and FITTINGS

- SERVICE STATIONS
- BULK PLANTS
- TANK TRUCKS
- AIRPORTS

FOR PRICES — PLEASE SEE SEPARATE PRICE LIST

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Buckeye "SAFETY-FILL" NOZZLE VALVE

The Pioneer Automatic Nozzle Valve which Has Brought Customers and Safety to Service Stations Everywhere

Patent No. 2,320,033
Listed under Re-examination Service of Underwriters' Laboratories, Inc.

Now No. 820A

New, improved "Safety-Fill." Lighter because body is aluminum. Use of brass bushing around trip-rod stem makes oiling unnecessary. Permanent-type packing needs no adjustment. Many other improvements make this the truly dependable automatic nozzle.

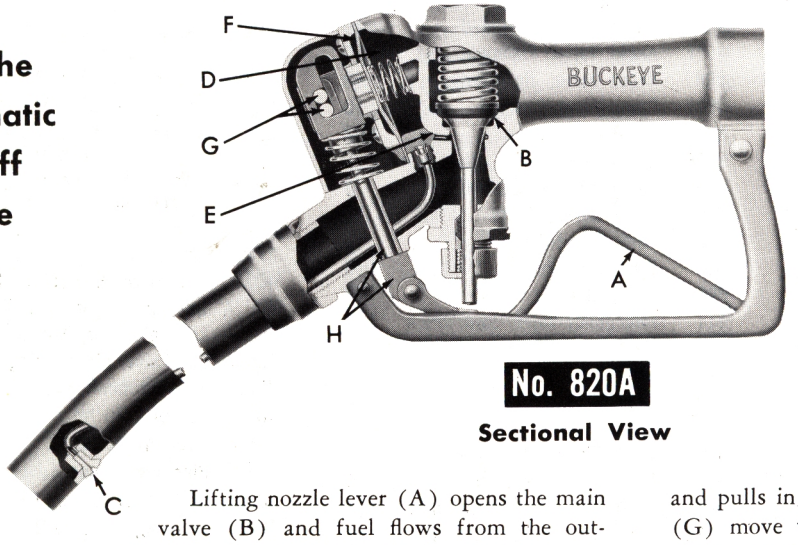
LIGHTER, BODY ALUMINUM
NO OILING REQUIRED
PERMANENT-TYPE PACKING

No.	Size I.P.T.	Body Material	No. 630B Rigid	Weight
820A	¾" or 1"	Aluminum Die Casting	1 ⅛"-18 Thread O.D.—1 ⅛" I.D.—1"	4 ¼ lbs.

ANTI-DRAIN CHECK VALVES

No. 820A can be equipped with standard No. 820C Inlet Check Valve or No. 820E Internal Check Valve required in certain states and many communities.

How the Automatic Shut-off Feature Works



No. 820A
Sectional View

Lifting nozzle lever (A) opens the main valve (B) and fuel flows from the outlet tube into the tank in the usual manner.

The fuel flowing through the main valve creates a suction which draws air in through vent screw opening (C). This air passes through the vent tube, to diaphragm chamber (D), passage (E) and out with the fuel.

When the fuel level in the tank covers the screw opening (C), the vacuum created in the diaphragm chamber (D) overcomes the spring and pulls in the diaphragm (F). The two rollers (G) move with the diaphragm and when they reach the elongated slot, stem (H) drops down and valve (B) closes. The action is instantaneous after fuel has covered vent screw opening (C).

Release of lever (A) returns all parts to the original positions and nozzle is ready for re-use.

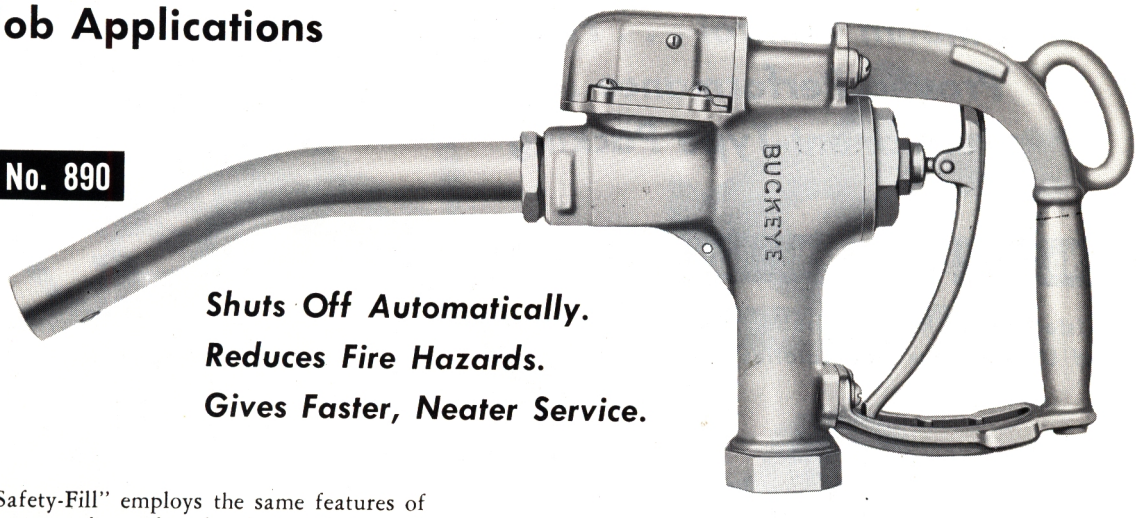
APPLICATIONS

Service Stations
Fleet Operators
Aircraft Refueling
Marine Refueling
Fuel Oil Delivery
Mobile Refueling Units
Industrial Plants
Cans . . . Drums
Barrels . . . Tanks

SOMETHING NEW IN THE TRIED AND TRUE

Buckeye "SAFETY-FILL" NOZZLE VALVES

For Big Job Applications



No. 890

Shuts Off Automatically.
Reduces Fire Hazards.
Gives Faster, Neater Service.

This large size "Safety-Fill" employs the same features of the service station automatic nozzle valve, in that it shuts off promptly once the liquid level in the tank covers the vent hole in the end of the tube.

The built-in dashpot affords a soft-closing nozzle, but one properly timed to prevent any over-flow.

Body and guard are cast-aluminum to give a lightweight nozzle. Practically all other metal parts are brass.

Special reinforced diaphragm and disc are of synthetic rubber—thoroughly resistant to petroleum products.

Permanent-type packing arrangement makes stuffing box adjustment unnecessary.

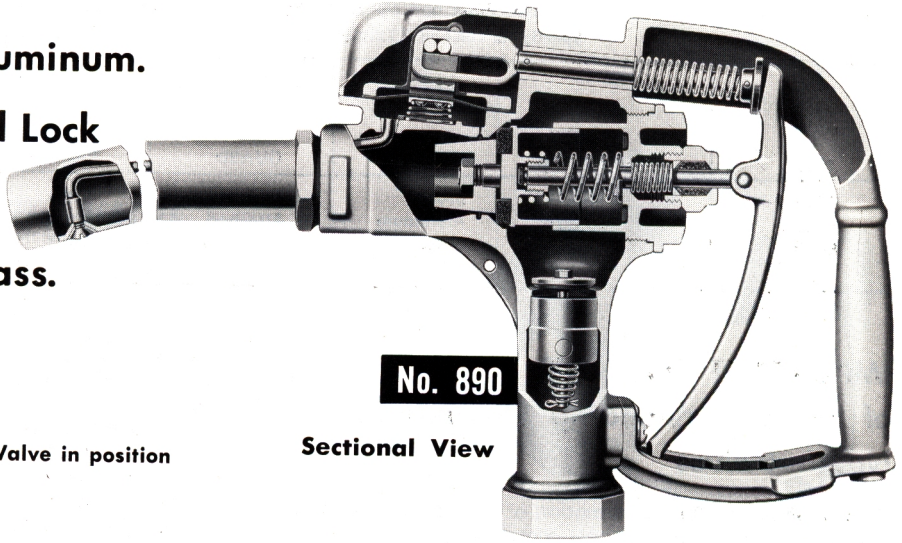
APPLICATIONS

Aircraft Refueling
Fuel Oil Delivery
Bus and Truck Refueling
Barrel and Drum Filling
Industrial Plants

FOR USE ON
1", 1 ¼"
OR
1 ½" HOSE

Patent No. 2,320,033 ***Capacity—17 G.P.M. to 70 G.P.M.***

Body and Guard, Aluminum.
Lever, Cap, Tube and Lock Nut, Brass, Plated.
Inside Trimmings, Brass.



No. 890
Sectional View

NOTE: **No. 820E-2—Internal Check Valve in position**

Standard Nozzle
No. 890 —1 ¼" "Safety-Fill" with No. 691B-1 *Straight Rigid Tube* and with Hold-Open Notches
Wt. 6 ½ lbs.

Or, Specify
No. 890 —1 ¼" "Safety-Fill" with No. 630B-2 *Curved Rigid Tube* and with Hold-Open Notches
Wt. 6 ½ lbs.

Or, Specify
No. 890A—1 ¼" "Safety Fill" with *either* Straight Rigid Tube or with Curved Rigid Tube as above, but *less* Hold-Open Notches Wt. 6 ½ lbs.

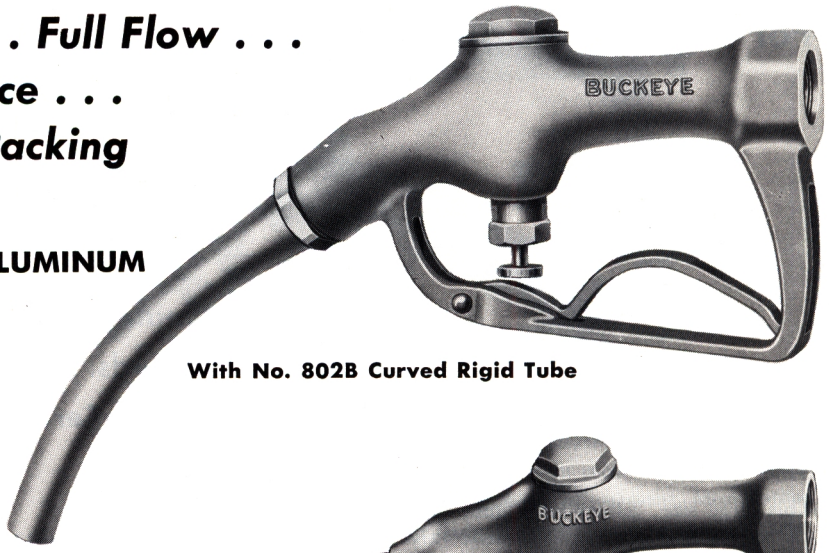
NO. 890 "SAFETY-FILL" FOR SAFE FILLING

Buckeye SERVICE STATION NOZZLE VALVES

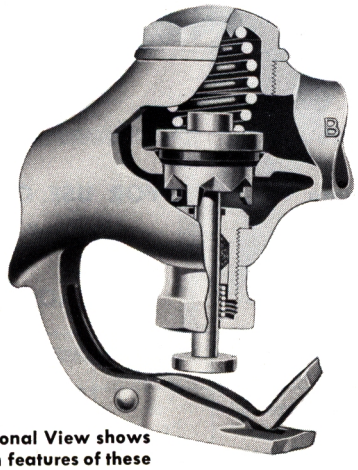
Smooth Control . . . Full Flow . . . Proved Performance . . . Permanent-Type Packing

No. 800E BRASS **No. 800F ALUMINUM**

Listed under Re-examination Service of Underwriters' Laboratories, Inc.



With No. 802B Curved Rigid Tube



Sectional View shows main features of these two hose nozzle valves as described below.

No. 800K with No. 728 Flexible Tube for use on Visible Pumps

No. 800E and No. 800F Equipped with Anti-Blowback Tubes
Specify ¾″ or 1″ I.P.T. Inlet. Specify "Built-In" Outlet Check Valve.

NO.	OUTLET SIZE & THD.	BODY MATERIAL	GUARD	TUBE TO BE SPECIFIED NO. 802B RIGID	TUBE TO BE SPECIFIED NO. 828 FLEX.	WEIGHT (LESS CHECK)
800E	1 ⅛″-24	Brass	Attached	Brass	Brass	3¾ lbs.
800F	1 ⅛″-24	Aluminum	Attached	Brass	Brass	2¼ lbs.
800K	1 ⅛″-24	Brass	Detachable with Hook	Brass	Brass	3¾ lbs.

IMPORTANT FEATURES of These Outstanding Streamlined Nozzle Valves

CAM CONTROL—The free motion of the cam-shaped lever across the stem means positive control from full flow to a trickle. *No chatter—No jerk.*

DISC ACTION—Carefully designed barrel spring gives constant pressure to hold disc firmly on seat when valve is not operated. The "star" or cushioning washer (Buckeye development) makes closing smooth, protecting meters and pumps.

PERMANENT-TYPE PACKING—Spring pressure on the packing forces it to "hug" the stem, making adjustment unnecessary. After years of service, when repacking may be necessary, this can easily be done in the field without removing the nozzle from the hose. Nozzle need not be returned to the factory for servicing. Any No. 800 now in service can have this new packing by ordering stem, stuffing box, spring, gland and packing.

STREAMLINING—To prevent swirl and eliminate back pressure, *interior* has been streamlined; to harmonize with the most modern service station pumps, the *exterior* has been streamlined.

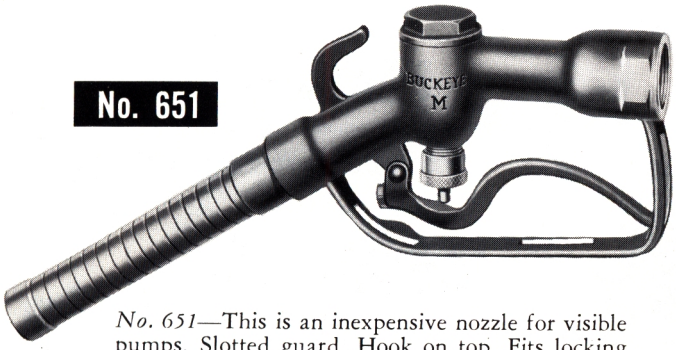
SPECIAL TUBES—Other tubes can be used with above valves but must be so ordered:

No. 781G Synthetic Rubber Tube
No. 702 Curved Rigid with Locknut—1 ⅛″ O.D.—1″ I.D.
No. 728 Flexible Tube—1 ⅛″ O.D.—⅞″ I.D.

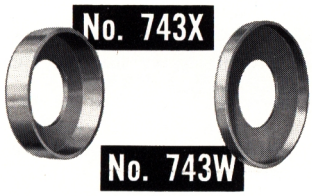
(See Page 19—Special Finishes) (See Page 16—Tubes)

Buckeye VISIBLE PUMP NOZZLE VALVES

Ample Capacity . . . Easy to Operate . . . Underwriters' Approved



No. 651—This is an inexpensive nozzle for visible pumps. Slotted guard. Hook on top. Fits locking devices of most visible pumps now in use. Made in two sizes, 1″ and 1¼″.



Flanges illustrated at left are supplied when ordered, for use on No. 651 where visible pumps have outside drainbacks. No. 743X (inverted) for Rapidayton; as illustrated, for all others. No. 743W for Wayne Visibles. Used only with flexible tubes.

This is a specially designed valve for use on Rapidayton Visible Pumps with drainback on the outside. A slot in the guard and a pad on the lever permits the lever to be opened as nozzle is locked in position so fuel will be completely drained from "bowl." Unusually large capacity.

Furnished with straight rigid or flexible tubes.

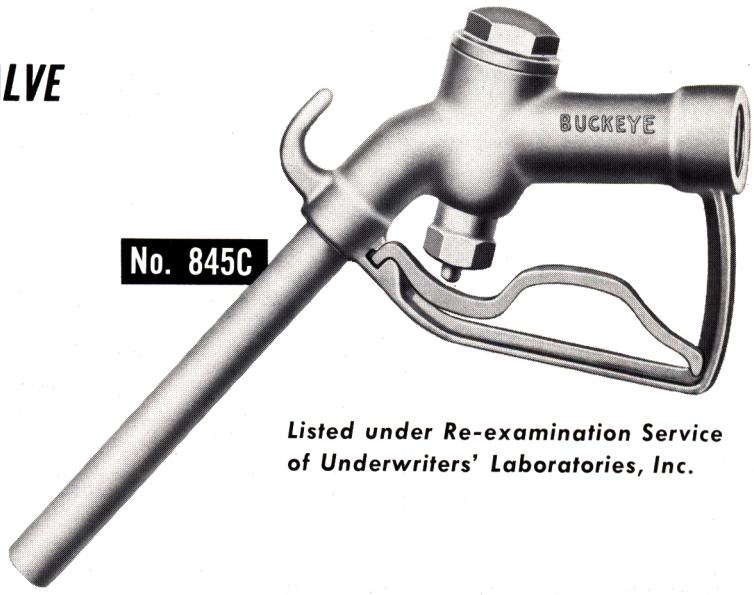
NO.	INLET THREAD	I.P.T. THREAD	OUTLET TUBES TO BE SPECIFIED RIGID	FLEXIBLE	FLANGES	WEIGHT WITH TUBE
651	1″ or 1¼″	1⅛″-24	No. 691-1-6″ O.D. 1⅛″ I.D. 1″	No. 581-8″ O.D. 1⅛″ I.D. ⅞″	No. 743X Universal No. 743W Wayne	3¾ lbs. (1″) 4 lbs. (1¼″)
486	1″ or 1¼″	1¼″-18	No. 691-2-6″ O.D. 1¼″ I.D. 1 1/16″	No. 806-8″ O.D. 1⅛″ I.D. ⅞″	Flange cast on body	4½ lbs.

THESE ARE STANDARD COMBINATIONS. IF OTHER TUBE LENGTHS ARE REQUIRED, PLEASE SPECIFY.

FARM OR UTILITY NOZZLE VALVE

No. 845C has been developed primarily for use on overhead farm service tanks, visible pumps and skid tanks with hand pumps. It is also used extensively on pressure pumps where Underwriters' approval is required.

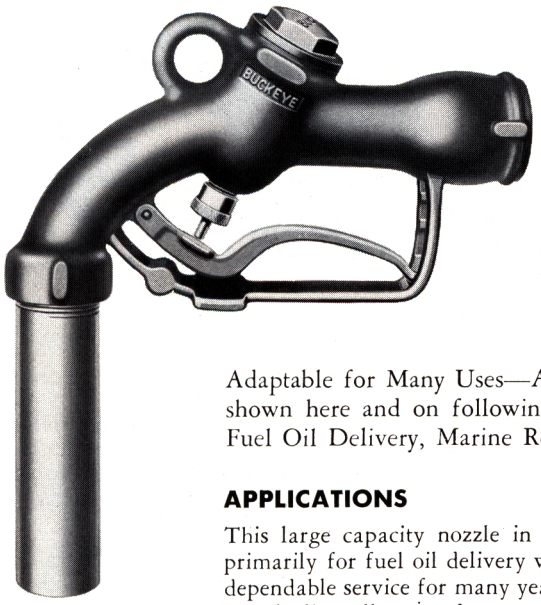
No. 845C has rugged cast brass body, tube aluminum, permanent-type packing with interior parts interchangeable with No. 800E. To give strength and durability to this nozzle valve, those parts which must stand the most wear are the same as Buckeye service station nozzle which must stand much greater wear than a farm nozzle. It's a quality nozzle—no part is cheapened. Made in ¾″ and 1″ sizes, Wt. 2¾ lbs.



Listed under Re-examination Service of Underwriters' Laboratories, Inc.

Buckeye FUEL OIL DELIVERY NOZZLE VALVES

No. 782 BRASS . . . No. 882 ALUMINUM



No. 591
Inlet Check Valve

No. 767 Flexible Tube

No. 777-4 Special Rigid Tube

Adaptable for Many Uses—A wide variety of tubes, strainers, dust caps and grounding cables, shown here and on following pages, have been designed to make this Nozzle Valve suitable for Fuel Oil Delivery, Marine Refueling, Airplane Refueling and many other services.

APPLICATIONS

This large capacity nozzle in each size is used primarily for fuel oil delivery where it has given dependable service for many years. It is also used in refueling all sorts of motor boats and marine craft, Diesel locomotives, gasoline dispensers at bulk plants and many specialized industrial applications.

FEATURES

Graduated notches in rear guard hold lever open for various delivery speeds. Valve mechanism is engineered for easy opening and complete control. Nozzle valves do not chatter when being slowed down. Operates equally well on pressure or gravity flow. Sturdily built to withstand severe service conditions.

In the illustration above are shown either No. 782 Brass or No. 882 Aluminum equipped with standard No. 691 Straight Rigid Tube (See chart below). Also No. 591 Inlet Check Valve is shown, as is No. 767 Standard Flexible Tube.

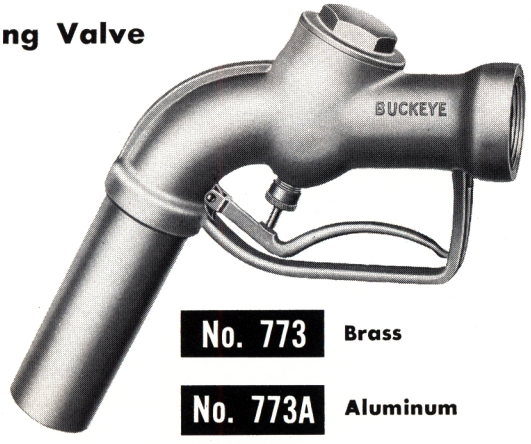
No. 777-4 is a brass tube 1½" O.D. It is equipped with permanent 1¼" I.P.T. adapter. So that it will fit in the 1½" I.P.T. outlet end of the nozzle valve, No. 668 -1½" x 1¼" I.P.T. Bushing is used. This can be easily removed or installed. For complete assembly, order No. 777-4; for the tube only with permanently attached 1¼" I.P.T. bushing, order No. 777-1.

NO.	INLET Size & Thd.	OUTLET Size & Thd.	DISC	TUBES TO BE SPECIFIED: SPECIAL RIGID	TUBES TO BE SPECIFIED: RIGID LGTH. 7"	TUBES TO BE SPECIFIED: FLEXIBLE LGTH. 10"	CHECK VALVE To Be Specified	WEIGHT Less Check
782 or 882	I.P.T. 1"	I.P.T. 1"	Single		No. 691-3 O.D. 1.315" I.D. 1.049"	No. 767-1 O.D. 1¼" I.D. 1"	No. 591 Inlet 1"x1" (½ lb.) No.589D Outlet 1"x1" (1 lb.)	Brass 5¾ lbs. Aluminum 3¼ lbs.
782 or 882	I.P.T. 1¼"	I.P.T. 1½"	Double	No. 777-4-7" O.D. 1½" I.D. 1.338" with No.668 1½"x1¼" Bushing	No. 691-5 O.D. 1.900" I.D. 1.610"	No. 767-5 O.D. 1½" I.D. 1¼"	No. 591 Inlet 1¼"x1¼" (1 lb.) No. 589D Outlet 1½"x1½" (1¾ lbs.)	Brass 8 lbs. Aluminum 5 lbs.
782 or 882	I.P.T. 1½"	I.P.T. 1½"	Double	No. 777-4-7" O.D. 1½" I.D. 1.338" with No.668 1½"x1¼" Bushing	No. 691-5 O.D. 1.900" I.D. 1.610"	No. 767-6 O.D. 1¾" I.D. 1½"	No. 591 Inlet 1½"x1½" (1 lb.) No. 589D Outlet 1½"x1½" (1¾ lbs.)	Brass 8½ lbs. Aluminum 5¼ lbs.
782 or 882	I.P.T. 2"	2¼"-16	Double		No. 691-6 O.D. 2¼" I.D. 2"	No. 767-7 O.D. 2¼" I.D. 2"	No. 591 Inlet 2"x2" (2¼ lbs.)	Brass 9½ lbs. Aluminum 5¾ lbs.

THESE ARE STANDARD BUCKEYE COMBINATIONS. IF OTHER TUBE LENGTHS ARE WANTED, PLEASE SPECIFY.

Buckeye NOZZLE VALVES FOR MANY USES

Loading Valve



No. 773 Brass

No. 773A Aluminum

This nozzle is used on loading racks, especially where a 60° discharge angle is preferred. Hold-open notches in the rear guard regulate the flow. Made in 2½" size only. Because of size it is generally furnished in aluminum, but can be furnished in brass if specified. Double disc for easy opening, control and soft-closing.

Fuel Oil Delivery Nozzle Valve

No. 483X

Brass

This nozzle is made in 1" and 1¼" sizes and is used where a small fuel oil or kerosene delivery nozzle is needed. Hold-open notches in the rear guard regulate the flow. Light but unusually sturdy.

Fuel Oil Delivery Nozzle Valve — Loading Valve

This is the same nozzle that is built according to strict military specifications except it does not have the Dust Cap, Spring and Chain, the Strainer or Grounding Cable Assembly, because in the applications for which this is used, they are not needed.

The smaller sizes are used for fuel oil delivery, while the larger sizes are used on loading racks where a 90° discharge angle is preferred.

One of the outstanding features of this nozzle is ease of operation. It meets military specifications for capacity in each size and is qualified—an indispensable requirement. Made in 1¼", 1½", 2" sizes and the 2" size can be equipped with adapter for 2½" hose.

Standard nozzle is brass in 1¼" and 1½" sizes and aluminum in 2" and 2" x 2½" sizes. Can be furnished in brass or aluminum in any one of the sizes listed above, if required.

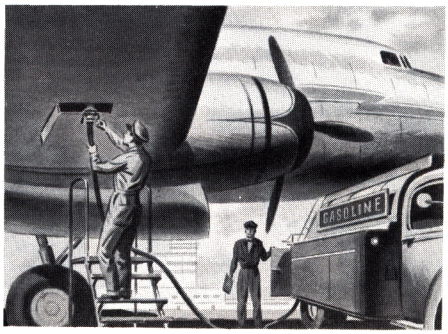
NO.	INLET Size & Thd.	OUTLET Size & Thd.	DISC	TUBE TO BE SPECIFIED Rigid	TUBE TO BE SPECIFIED Flexible with Adapter	Inlet Check Valve To Be Specified	WEIGHT IN LBS. (less check) BRASS	WEIGHT IN LBS. (less check) ALUM.
773	I.P.T. 2½"	3" —16	Double	No. 691-7 8"	No. 767-8 10"	No. 591 2½"	16¼	
773A	I.P.T. 2½"	3" —16	Double	No. 691-7 8"	No. 767-8 10"	No. 591 2½"		9¾
483X	I.P.T. 1"	1¼" —18	Single	No. 691-2 6"	No. 463-1 10"	No. 591 1"	4½	
483X	I.P.T. 1¼"	1¼" —18	Single	No. 691-2 6"	No. 463-1 10"	No. 591 1"	4½	
775G	I.P.T. 1¼"	1⅞" —12	Double	No. 795-7 9¼"	No. 767-9 15"	No Check	9½	5
775G	I.P.T. 1½"	2⅛" —12	Double	No. 795-8 9¼"	No. 767-10 15"	No Check	11¼	6
775G	I.P.T. 2"	2 21/32" —12	Double	No. 795-9 10½"	No. 767-15 15"	No Check	18¼	10¼
775G	I.P.T. 2½"	2 21/32" —12	Double	No. 795-9 10½"	No. 767-15 15"	No. 591 2½"	19¼	10½

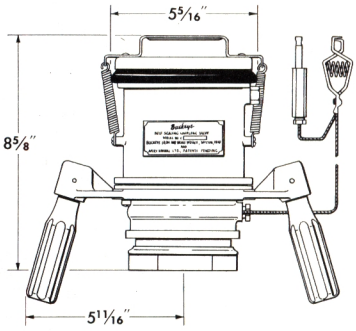
Buckeye SELF-SEALING COUPLING VALVES

No. 4092

Patent applied for

FOR AIRCRAFT REFUELING





When commercial aircraft is equipped with proper under-wing adapters, No. 4092 can be quickly and easily connected. Refueling is at the rate of 600 G.P.M. at 50 lbs. line pressure. Pressure loss across the valve is unusually low.

One of the main features of the valve is that it is self-adjusting. The operator simply connects the valve to the plane adapter, turns it clockwise to automatic stop, and the valve is full open, delivering fuel with little swirl or turbulence.

To disconnect, the operator simply turns the valve counterclockwise—it shuts off automatically. All this is under line pressure and without loss of fuel.

The valve can be assembled or disassembled with only a screw-driver and pliers.

No. 4092 is regularly furnished with bicycle grips as illustrated. Standard inlet is 2½" I.P.T. swivel female. Available in 2" and 3" I.P.T. size if specified. Dust cover and grounding cable assembly are furnished with this valve.

No. 4092—2½" Inlet Wt. 13 lbs.

No. 4083

Patent applied for

For Military Aircraft Refueling

This Aircraft Fuel Servicing, locking-type, D-1 -2½" Coupling Nozzle with aluminum elbow and bicycle grips is designed and built to rigid military specifications.

It is used for single-point refueling of military aircraft at 600 G.P.M. and higher. Inlet adapters to bolt to the elbow are available for 2½", 3" and 4" hose.

Furnished with Dust Cap and Grounding Cable Assembly as standard equipment.

No. 4083—2½" Wt. 15 lbs.

Siamese Connector

No. 4076A

This aluminum body siamese connector with 3" I.P.T. male thread is equipped with plated brass 2½" swivels. This unit is used with military aircraft refuelers.

Two 2½" hoses come from Refueler into swivel ends of No. 4076A. Male thread used for 3" hose connection for Single Point Refueling as described above.

No. 4076A—3" x 2½" x 2½" Wt. 4¾ lbs.

Non-Drip Oil Nozzle

This nozzle, designed and built to military specifications, is used for delivering lubricating oil to aircraft. Its main feature is the sure shut-off, non-drip valve in the end of the tube.

This nozzle is equipped with a 20-mesh brass wire, reinforced strainer which can be easily removed for cleaning. Hose need not be drained because of special inlet check valve.

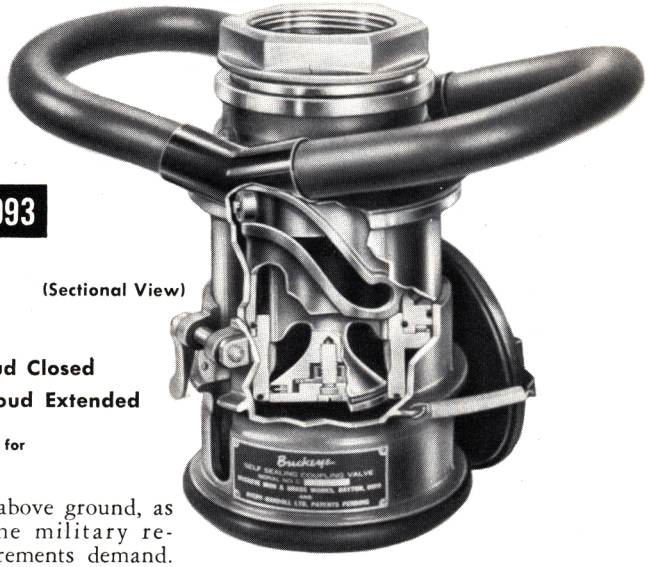
No. 4082—1½"
Wt. 7½ lbs.

No. 4082

Buckeye SELF-SEALING COUPLING VALVE

For Tank Trucks and Hydrant Systems

No. 4093



(Sectional View)

Left — With Shroud Closed
Right — With Shroud Extended

Patent applied for

Aside from the Stirrup Handles and the Shroud used for guiding the Coupling Valve to connecting adapters, No. 4093 is the same as aircraft refueling valves described on Page 12.

This valve is used for the bottom loading of tank trucks, which reduces evaporation losses, speeds up loading and makes climbing on tank trucks unnecessary.

It is also used as a Hydrant Valve for pipe lines with pits, or above ground, as some military requirements demand.

Standard No. 4093 has 2½" I.P.T. swivel inlet, enabling connection to be quickly made without twisting the hose. Inlet can be 2" or 3" I.P.T. Female if specified.

No. 4093—2½" Inlet Wt. 15 lbs.

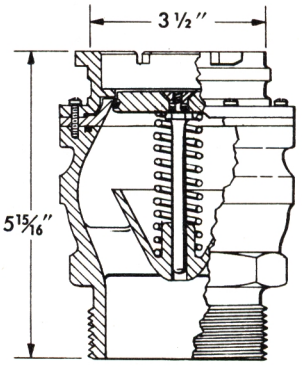
No. 4096D

Tank Truck Adapter

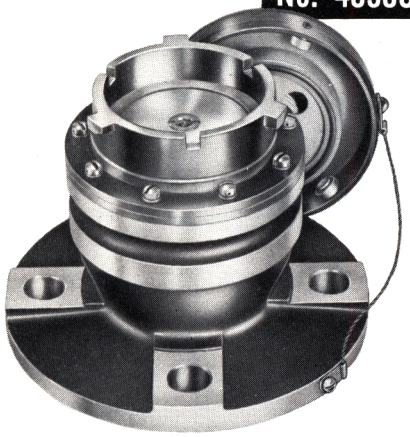
The use of Buckeye No. 4096D Tank Truck Adapter with No. 4093 Self-Sealing Coupling Valve above makes the ideal combination for bottom-loading of tank trucks.

No. 4096D is made of sturdy cast brass, has full flow. Standard adapter has 3" I.P.T. (Male) but can be furnished in 2½" if specified.

No. 4096D—2½" Wt. 8½ lbs.



No. 4096C



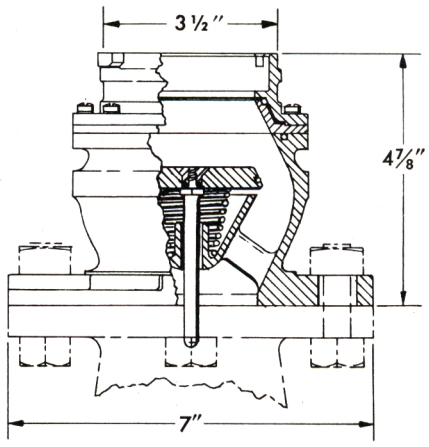
Hydrant Adapter

Illustration at right shows use of No. 4096C Hydrant Adapter to which is connected No. 4093 Self-Sealing Coupling Valve. This combination can be used for defueling as well as refueling.

No. 4096C is made of sturdy brass casting, incorporating 2½" standard flange. Sealing cap furnished with each adapter.

No. 4096C—2½" Wt. 9 lbs.

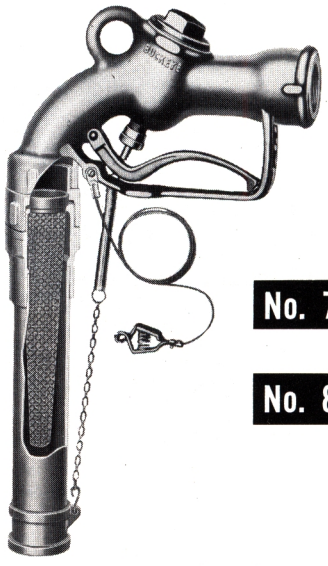
AIRCRAFT ADAPTERS— Buckeye makes five types of aluminum adapters, all designed to military specifications, with features not found in others. Drawings available upon request.



Buckeye AIRCRAFT REFUELING NOZZLE VALVES

Brass or Aluminum

No. 775M Complete. Also shown is No. 795—34″ long Defueling Rigid Tube



No. 782D BRASS

No. 882D ALUMINUM

In the development of gasoline- and oil-servicing nozzles for all types of military aircraft, Buckeye has turned out many thousands of nozzle valves built to exacting government specifications.

No. 775M (Brass in 1¼″ and 1½″ sizes; Aluminum in 2″ and 2″ x 2½″ sizes, standard) has gone through all the rigid tests to qualify for satisfactory refueling of military airplanes under the most adverse conditions.

For this reason, it is widely used at commercial airports for over-wing refueling.

When ordered to government specifications or usually for commercial aircraft refueling, it comes equipped with all accessories listed below (Strainer is monel metal). If they are not required, please see No. 775G, Page 11. The 2″ size can be equipped with adapter for 2½″ hose.

Can be furnished in brass or aluminum in any of the above sizes, if required.

Illustrated is nozzle equipped with No. 793-3 Tube with No. 827A Strainer; No. 826D Grounding Cable Assembly; No. 754 Dust Cap, Spring and Chain.

This nozzle in either brass or aluminum has been designed for refueling commercial aircraft, large or small. It is also used for refueling Diesel locomotives.

Standard nozzle comes with 100-mesh strainer, but coarser meshes for fuels other than gasoline can be furnished if specified.

No. 782D Brass or No. 882D Aluminum are practically the same as the rugged fuel oil delivery nozzles except a boss on the guard is threaded to take the necessary grounding cable.

Double disc construction permits full control at all times. No chatter or jerking in "topping off" the aircraft tank. Hold-open notches in the rear guard regulate the flow. If any accessories are not desired, such should be indicated on the order.

NO.	INLET Size & Thd.	OUTLET Size & Thd.	RIGID TUBE with Adapter	Strainer	Disc	Grounding Cable Assembly	Dust Cap, Spring & Chain	Weight
775M (Brass)	I.P.T. 1¼″	1⅞″ -12	No. 795-7 9¼″ O.D. 1⅜″ I.D. 1.28″	No. 827A-10 100-Mesh	Double (Dash Pot)	No. 826B-2	No. 754-14	10¼ lbs.
775M (Brass)	I.P.T. 1½″	2⅛″ -12	No. 795-8 9¼″ O.D. 1¾″ I.D. 1.58″	No. 827A-11 100-Mesh	Double (Dash Pot)	No. 826B-2	No. 754-15	12½ lbs.
775M (Alum.)	I.P.T. 2″	2 21/32″-12	No. 795-9 10½″ O.D. 2¼″ I.D. 2.08″	No. 827A-12 100-Mesh	Double (Dash Pot)	No. 826B-2	No. 754-16	11½ lbs.
775M (Alum.)	I.P.T. 2½″	2 21/32″-12	No. 795-9 10½″ O.D. 2¼″ I.D. 2.08″	No. 827A-12 100-Mesh	Double (Dash Pot)	No. 826B-2	No. 754-16	11¾ lbs.
782D or 882D	I.P.T. 1¼″	I.P.T. 1½″	No. 793-3 10½″ O.D. 1¾″ I.D. 1.58″	No. 827A-1 100-Mesh	Double	No. 826D	No. 754-4	9 lbs. 6 lbs.
782D or 882D	I.P.T. 1½″	I.P.T. 1½″	No. 793-3 10½″ O.D. 1¾″ I.D. 1.58″	No. 827A-1 100-Mesh	Double	No. 826D	No. 754-4	9½ lbs. 6½ lbs.

Buckeye ACCESSORIES FOR AIRCRAFT REFUELING

STRAINERS

No. 827A

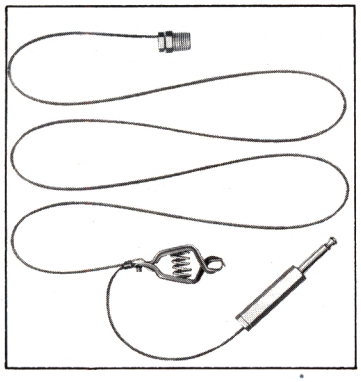
Aircraft Refueling Nozzle Valves (except those for aircraft carrier use) are regularly furnished with 100-mesh screen (monel metal for No. 775M and No. 782D) for gasoline, and 20-mesh for oil servicing.

Buckeye Strainers are sturdily made with extra strong reinforcement of wire cloth to protect the fine mesh screen. Chart at right indicates different strainers used with individual nozzle valves.

NO.	MESH	LENGTH	NOZZLE	WEIGHT
827A-10	100	7¾″	No. 775M—1¼″; Nos. 782D or 882D—1¼″ and 1½″	3 oz.
827A-11	100	9″	No. 775M—1½″	4 oz.
827A-12	100	10½″	No. 775M—2″ and No. 775M—2″ x 2½″	5 oz.

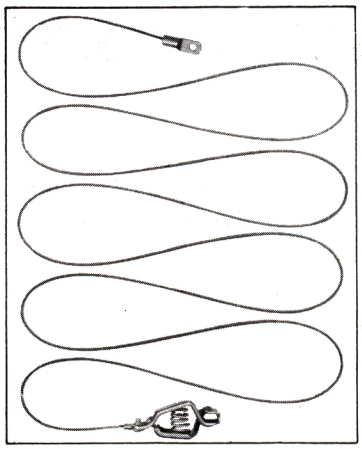
These are standard. If something different is required, please specify.

Grounding Cable Assemblies



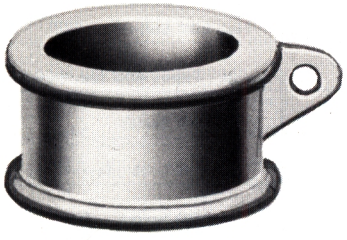
No. 826B-2 consists of 4 Brass Plug Parts; Battery Clip; 4′6″ Cable Wt. 2 oz.

No. 826B-5 consists of 4 Brass Plug Parts; Battery Clip; 30″ Cable Wt. 2 oz.



No. 826D consists of Eyelet Nozzle Connector; Battery Clip; 7′1″ Cable Wt. 2 oz.

Nozzle Tube Dust Caps



No. 754

The complete assembly for aircraft refueling nozzles consists of the above cap (illustrated) together with chain and spring to hold it firmly in place when nozzle is not in use (See Page 14).

The quick reference chart at right gives full information. Please order by number for nozzle valve required.

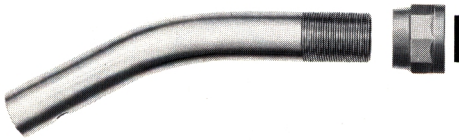
NO.	NO. TUBE CAP FITS	USED ON THESE NOZZLE VALVES	RIGID TUBE DIAMETER	WEIGHT
754-14	795-7	No. 775M—1¼″	1⅜″ O.D.	7 oz.
754-15	795-8	No. 775M—1½″	1¾″ O.D.	12 oz.
754-16	795-9	No. 775M—2″ AND	2¼″ O.D.	14 oz.
754-16	795-9	No. 775M—2″ x 2½″	2¼″ O.D.	14 oz.
754-4	793-3	No. 782D or No. 882D 1¼″ or 1½″	1¾″ O.D.	12 oz.

Buckeye TUBES FOR HOSE NOZZLE VALVES

Rigid Tubes

No. 802B

No. 702


No. 630B

No. 630

No. 691

Flexible Tubes

No. 828 (With No. 803 Body Adapter)

No. 581

No. 728

No. 463

No. 781G

These are Buckeye Standard Tubes, sizes and lengths. If something other than given here is required, please specify.

NO.	TYPE	SIZE & THREAD	O.D. & I.D.	STD. LGTH.	WEIGHT	FOR USE ON THESE NOZZLES
802B	Curved Rigid	1⅛"—24	O.D. 1 13/16" I.D. 11/16"	8"	9 oz.	No. 800 Series
702	Curved Rigid	1⅛"—24	O.D. 1⅛" I.D. 1"	8"	9 oz.	No. 800 Series
630B	Curved Rigid	1⅛"—18	O.D. 1⅛" I.D. 1"	8"	9 oz.	No. 820 Buckeye "Safety-Fill"
630-1	Curved Rigid	1⅛"—24	O.D. 1⅛" I.D. 1"	8"	10 oz.	"M" Types
630-2	Curved Rigid	1¼"—18	O.D. 1¼" I.D. 1 1/16"	8"	13 oz.	"H", "K", "L" Types
691-1	Rigid	1⅛"—24	O.D. 1⅛" I.D. 1"	6"	10 oz.	"M" Types
691-2	Rigid	1¼"—18	O.D. 1¼" I.D. 1 1/16"	6"	10 oz.	"H", "K", "L" Types
828	Flexible	1⅛"—24	O.D. 1 13/16" I.D. 5/8"	10"	10 oz.	No. 800 Series
581	Flexible	1⅛"—24	O.D. 1⅛" I.D. 7/8"	10"	12 oz.	"M" Types and No. 800 Series
728	Flexible	1⅛"—24	O.D. 1⅛" I.D. 7/8"	10"	12 oz.	No. 800 Series
463	Flexible	1¼"—18	O.D. 1⅛" I.D. 7/8"	10"	12 oz.	"H", "K", "L" Types
781G	Rubber	1⅛"—24	O.D. 1" I.D. 5/8"	10"	11 oz.	No. 800 Series
777-3	Rigid	1 3/32"—18	O.D. 1⅛" I.D. 1"	9"	9 oz.	Wayne Visible
809-3	Rigid	1" —24	O.D. 1" I.D. 7/8"	7"	2 oz.	No. 845C
593	Flexible	1 3/32"—18	O.D. 1⅛" I.D. 7/8"	10"	12 oz.	Wayne Visible
806-4	Flexible	1¼"—18	O.D. 1⅛" I.D. 7/8"	8"	9 oz.	No. 486

Buckeye NOZZLE VALVE TUBE CHART

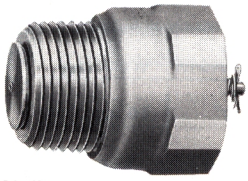
The tube number shown below is a code number and is all that is required in order to secure the particular tube that is needed.

TUBE NO.	TYPE	SIZE & THREAD	O.D.	I.D.	STD. LENGTH	WEIGHT	FOR USE ON THESE NOZZLES
630-1	Curved Rigid	1⅛"—24	1⅛"	1"	8"	10 oz.	"M" Types
630B-1	Curved Rigid	1⅛"—18	1⅛"	1"	8"	9 oz.	No. 820 and No. 820A
630B-2	Curved Rigid	1⅜"—18	1⅜"	1.231"	10"	1 lb.	No. 890
691-3	Rigid	1" I.P.T.	1.315"	1.049"	7"	1 lb.	Nos. 782 or 882—1"
691-4	Rigid	1¼" I.P.T.	1.660"	1.380"	7"	1½ lbs.	Nozzles with 1¼" I.P.T. outlet
691-5	Rigid	1½" I.P.T.	1.900"	1.610"	7"	1¾ lbs.	Nos. 782 or 882—1¼" and 1½", No. 679
691-6	Rigid	2¼"—16	2¼"	2"	7"	1½ lbs.	Nos. 782 or 882—2"
691-7	Rigid	3" —16	3"	2¾"	8"	3 lbs.	Nos. 773 or 773A—2½"
691-8	Rigid	1¼" I.P.T. BOTH ENDS	1.660"	1.380"	7"	1½ lbs.	Nos. 782 or 882—1¼" and 1½" (No. 668—1½" x 1¼" Required)
691-9	Rigid	1½" I.P.T. BOTH ENDS	1.900"	1.610"	7"	1¾ lbs.	Nos. 782 or 882—1¼" and 1½"
691B-1	Rigid	1⅜"—18	1⅜"	1.231"	10"	1 lb.	No. 890
745-1	Rigid	2¼"—16	2"	1⅞"	28½"	4¼ lbs.	Nos. 782 or 882—2"
767-1	Flexible	1" I.P.T.	1¼"	1"	10"	1 lb.	Nos. 782 or 882—1"
767-2	Flexible	1¼" I.P.T.	1½"	1¼"	10"	1¼ lbs.	Nozzles with 1¼" I.P.T. outlet
767-3	Flexible	1½" I.P.T.	1"	¾"	10"	1 lb.	No. 782M—1¼" and 1½"
767-4	Flexible	1½" I.P.T.	1¼"	1"	10"	1¼ lbs.	No. 782M—1¼" and 1½"
767-5	Flexible	1½" I.P.T.	1½"	1¼"	10"	1½ lbs.	No. 782M—1¼" and 1½", Nos. 782 or 882—1¼"
767-6	Flexible	1½" I.P.T.	1¾"	1½"	10"	1½ lbs.	Nos. 782 or 882—1½"
767-7	Flexible	2¼"—16	2¼"	2"	10"	2 lbs.	Nos. 782 or 882—2"
767-8	Flexible	3" —16	2 1⁄16"	2 1⁄16"	10"	4 lbs.	Nos. 773 or 773A—2½"
767-9	Flexible	1⅞"—12	1½"	1¼"	15"	2 lbs.	No. 775G—1¼"
767-10	Flexible	2⅛"—12	1¾"	1½"	15"	2½ lbs.	No. 775G—1½"
767-15	Flexible	2 21⁄32"—12	2¼"	2"	15"	3¾ lbs.	No. 775G—2"
777-1	Rigid	1¼" I.P.T.	1½"	1.338"	7"	1 lb.	Nozzles with 1¼" I.P.T. outlet
777-4	Straight Rigid Assembly with No. 668 1½"x1¼" Bushing which makes it 1½" I.P.T.	1½" I.P.T.	1½"	1.338"	7"	1½ lbs.	Nos. 782 or 882—1¼" and 1½"
781G	Rubber	1⅛"—24	1"	⅝"	10"	11 oz.	No. 800 Series
790-1	Rigid	1½" I.P.T.	1"	⅞"	7"	1 lb.	No. 782M—1¼" and 1½"
790-2	Rigid	1½" I.P.T.	1¼"	1⅛"	7"	1¼ lbs.	No. 782M—1¼" and 1½"
790-3	Rigid	1½" I.P.T.	1½"	1⅜"	7"	1¼ lbs.	No. 782M—1¼" and 1½"
793-3	Rigid	1½" I.P.T.	1¾"	1.584"	10½"	1½ lbs.	No. 782D—1¼" and 1½"
795-3	Rigid	1⅞"—12	1⅜"	1.281"	34"	3 lbs.	Nos. 775M or 775G—1¼"
795-4	Rigid	2⅛"—12	1¾"	1.584"	34"	5¼ lbs.	Nos. 775M or 775G—1½"
795-7	Rigid	1⅞"—12	1⅜"	1.281"	9¼"	1½ lbs.	Nos. 775M or 775G—1¼"
795-8	Rigid	2⅛"—12	1¾"	1.584"	9¼"	2 lbs.	Nos. 775M or 775G—1½"
795-9	Rigid	2 21⁄32"—12	2¼"	2 3⁄32"	10½"	3 lbs.	Nos. 775M or 775G—2" and 2½"
795-14	Rigid	2 21⁄32"—12	2¼"	2 3⁄32"	34"	7 lbs.	Nos. 775M or 775G—2" and 2½"
802B-1	Curved Rigid	1⅛"—24	13⁄16"	11⁄16"	8"	9 oz.	No. 800 Series

Buckeye HOSE NOZZLE VALVE ACCESSORIES

Check Valves

No. 820C



INLET CHECK VALVE—This valve is assembled into the inlet end of No. 820A "Safety-Fill" to prevent the hose being drained when the pump is not in use. In some states and communities, a check valve is required by law. Inlet thread I.P.T.

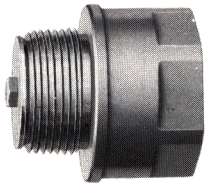
No. 820C—1" Male x ¾" Female Wt. ½ lb.
1" Male x 1" Female Wt. ½ lb.

No. 820E

INTERNAL CHECK VALVE—Designed for those states requiring minimum of fuel "trapped" between check valve and main valve. Prevents draining of hose. Easily installed by dropping check valve into inlet end of nozzle valve and pushing into place with fingers.

No. 820E-1 for No. 820F Wt. 2 oz.
No. 820E-2 for No. 890 Wt. 4 oz.

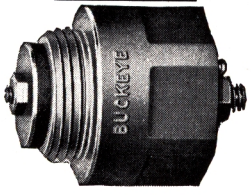
No. 591



INLET CHECK VALVE—This self-contained valve is screwed into inlet end of nozzle valve to prevent draining of hose. Made in following sizes:

No. 591—1" x ¾"	**Wt. ½ lb.**
1" x 1"	**Wt. ½ lb.**
1" x 1¼"	**Wt. ¾ lb.**
1¼" x 1¼"	**Wt. 1 lb.**
1½" x 1¼"	**Wt. 1 lb.**
1½" x 1½"	**Wt. 1 lb.**
2" x 2"	**Wt. 2¼ lbs.**
2½" x 2½"	**Wt. 4½ lbs.**

No. 624



INLET CHECK VALVE—This self-contained valve is screwed into the inlet end of the nozzle valve to prevent draining of the hose. No bridge in nozzle valve is required. The seating disc is made of specially-treated leather.

Made in two sizes as follows:

No. 624—¾" x ¾"	**Wt. 7 oz.**
1" x 1"	**Wt. 8 oz.**

No. 589D

OUTLET CHECK VALVE—This self-contained check valve used to prevent draining of hose is screwed into the outlet end of the nozzle. Both threads are I.P.T. Has composition disc. Used with No. 782 Nozzle Valve and also No. 762 Coupling Elbow (See Page 50).

No. 589D—1" I.P.T.	**Wt. 1 lb.**
1¼" I.P.T.	**Wt. 1¼ lbs.**
1½" I.P.T.	**Wt. 1¾ lbs.**

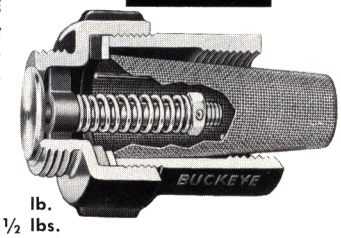
Strainers

No. 625

INLET STRAINER—Assembled into the inlet end of the nozzle valve, this strainer keeps out foreign particles. Screen easy to remove and clean, reinforced, will not buckle. Furnished with 40-mesh but 100-mesh for aviation use available if specified. Both threads I.P.T.

No. 625—1" x 1"	**Wt. ¾ lb.**
1¼" x 1¼"	**Wt. 1¼ lbs.**
1½" x 1½"	**Wt. 1½ lbs.**

No. 626

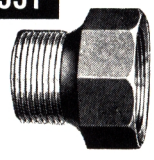


COMBINATION CHECK VALVE AND STRAINER—A two-in-one unit. Strains out dirt and prevents draining of hose. Regularly furnished with 40-mesh reinforced screen. Available in 100-mesh for aviation use if specified.

No. 626—1" x 1"	**Wt. 1 lb.**
1¼" x 1¼"	**Wt. 1½ lbs.**
1½" x 1½"	**Wt. 1¾ lbs.**

Brass Hose Fittings

No. 551



REDUCER—When the hose coupling thread is a size larger than the inlet thread on the nozzle valve, the No. 551 Reducer is used. Sturdy brass casting. Both threads I.P.T.

No. 551—1"M. x 1¼"F.	**Wt. 6 oz.**
1¼"M. x 1½"F.	**Wt. 6 oz.**
1½"M. x 2"F.	**Wt. 14 oz.**

No. 668

BUSHING—When the hose coupling is smaller than the nozzle valve inlet thread, the No. 668 Bushing is used. No. 668 is brass; No. 6094 is iron. Both threads I.P.T.

No. 668 —1" x ¾"	**Wt. 2 oz.**
1¼" x 1"	**Wt. 5 oz.**
1½" x 1¼"	**Wt. 6 oz.**
No. 6094—1" x ¾"	**Wt. 3 oz.**

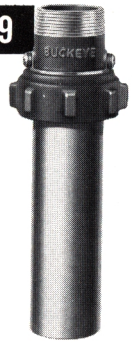
Brass Outlet Adapter

No. 667

There are many fuel oil delivery nozzles and loading rack nozzles still in use where it is desirable to use an adapter so an I.P.T. threaded tube can be used. Thus, No. 667-5 male thread 2¼" -16 fits outlet thread of No. 782 but female thread is 2" I.P.T. Likewise, No. 667-6 male thread is 3" -16, fitting Nos. 773 or 773A but has a 2½" I.P.T. female thread. Weights 1 lb. and 1¾ lbs., respectively.

Buckeye COUPLINGS, TUBES AND NOZZLES

Fuel Oil Delivery



This coupling nozzle is used to make a tight connection to prevent fuel oil spilling on lawns or driveways. The male thread of No. 679 is screwed into the outlet end of No. 782 Nozzle Valve. The tube is dropped into the fill pipe as usual but the union nut coupling is screwed down tight on male thread 2″ Fill Cap.

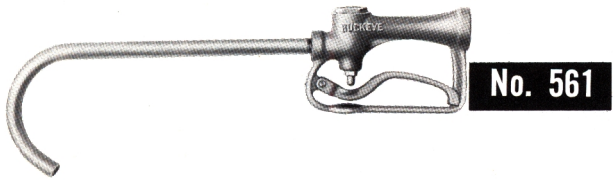
No. 679-1—1 ¼″ Wt. 2 ¾ lbs.
No. 679-3—1 ½″ Wt. 3 lbs.

For Under-Surface Loading

No. 745 Complete Tube and Adapter Assembly

No. 745 tube is 28½″ long, and is made with adapter threaded 2¼″-16 to fit Nos. 782 or 882 -2″ nozzle. This assembly provides a simple, efficient and inexpensive method for under-surface loading of tank trucks at the loading rack. O.D. of tube is 2″; I.D. is 1⅞″; Total Weight 4¼ lbs.

Grease Nozzle Valve

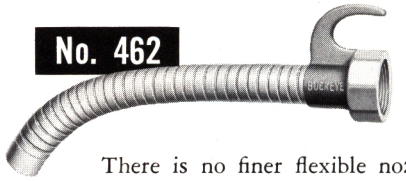


This Grease Nozzle Valve has many features. For example, it is exactly the right shape—convenient to handle. The curve in the tube enables the operator to hang it in the differential or transmission openings. It has notch in the guard where the lever can be placed, holding the valve wide open. The check valve in the outlet end of the tube opens under pressure and serves to prevent drippage when nozzle is not in use. It is easy to operate on either power or hand units. It is made of cast brass, plated.

No. 561—½″ and No. 561—¾″ Wt. each—1 ¾ lbs.

Prices for special finishes furnished on request.

Dry Hose Nozzles



There is no finer flexible nozzle than No. 462 for dry hose pumps. It is especially designed to service hard-to-fill tanks. Made of selected red brass tubing. It is 10″ long. **No. 462—1″ Wt. 1 lb.**

The design of this Rigid Nozzle has made it a favorite in nozzles. A lug near the outlet keeps it in the filler opening. It is sturdily built of cast brass.

No. 468—¾″ x 8″ long Wt. 1 ¼ lbs. 1″ x 10″ long Wt. 1 ¾ lbs.

There are many places where a lighter, shorter and lower-priced Rigid Nozzle will answer every need. That is where No. 586 is in such wide demand. It is made of cast brass.

No. 586—1″ x 8″ long Wt. 1 ¼ lbs.

SPECIAL FINISHES

Buckeye offers a choice of finishes for hose nozzle valves illustrated on other pages. Any special finish is supplied upon order, at extra charge. Simply add to nozzle valve prices the additional charge for the special finish.

SATIN CHROME FINISH—No. 800E (Brass) is usually furnished with satin chromium finish. This is the finish used as standard by pump manufacturers.

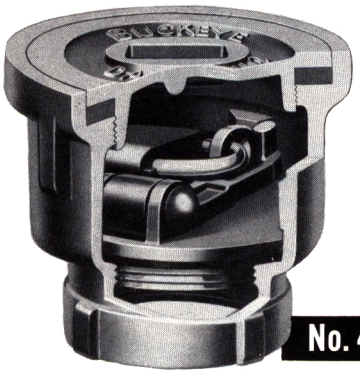
Curved Rigid Tubes or Flexible Tubes can be supplied in the Satin Chromium Finish.

CHROMIUM PLATED AND POLISHED—Our nozzle valves can be chromium plated and polished, when so ordered, at extra cost.

Also, tubes, Curved Rigid and Flexible, can be furnished chromium plated and polished at extra cost.

Buckeye FLUSH FILL BOXES

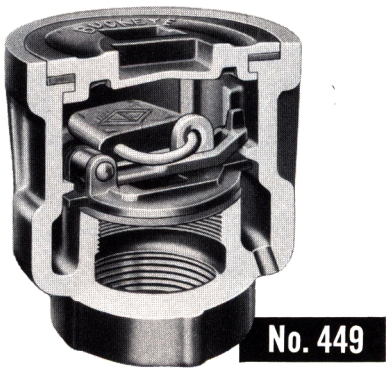
Lock-Type — Water-Tight



THREADED

Sharp, clean-cut threads on brass lids and heavy cast iron body mean longer life for this fill box generally installed in heavy concrete drive. Both lids have 1/8" pilot on end of threads to make replacement of lids easy. Body threads to take lock lids can be used for tight-fill connections. Lock arm is malleable iron. Wrench of malleable iron furnished without charge.

No. 450–2"	Wt. 6¾ lbs.
2½"	Wt. 9½ lbs.
3"	Wt. 13 lbs.



QUICK-OPENING

It requires just 1/8 turn to remove or replace the brass top or lock-lid of this fill box. Both are water-tight. A deep recess in the heavy cast iron body has seep holes which prevent water collecting. No threads on either lid. Sharp, clean-cut threads in body below lock-lid can be used for tight connection. Lock arm malleable iron; wrench furnished.

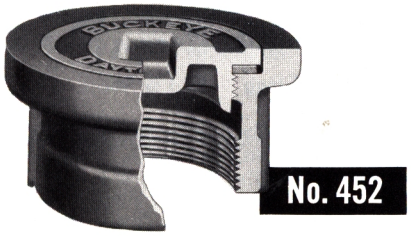
No. 449–2"	Wt. 8¼ lbs.
2½"	Wt. 10¼ lbs.
3"	Wt. 14¼ lbs.
4"	Wt. 19¼ lbs.

COMBINATION

This is a combination of No. 449 and No. 450 with quick-opening top lid and threaded lock-lid. Both lids brass with body heavy cast iron. Seep holes in recess of body prevent water collecting. Body threaded below lock-lid for tight connection if required. Specially treated leather gaskets make this and other fill boxes water-tight. Lock arm malleable iron; wrench furnished.

No. 461–2"	Wt. 8¼ lbs.
2½"	Wt. 10¾ lbs.
3"	Wt. 14½ lbs.
4"	Wt. 19½ lbs.

Non-Locking Type — Water-Tight



Where a lock-type fill box is not required, this model has wide popularity. Threads are clean-cut, both on brass lid and sturdy cast iron body. Also, 1/8" pilot on lid thread makes replacement easy—prevents stripping of threads. Extra space between threads. Malleable iron wrench is furnished with each, except on 6" and 8" sizes.

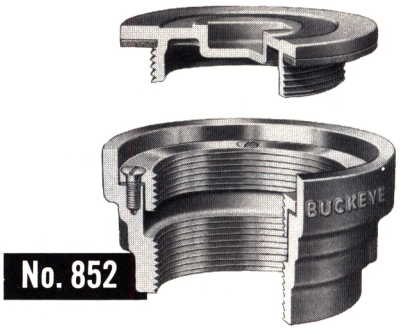
No. 452–2"	Wt. 4½ lbs.
2½"	Wt. 6 lbs.
3"	Wt. 7¼ lbs.
3½"	Wt. 8 lbs.
4"	Wt. 10¾ lbs.
* 6"	Wt. 13¾ lbs.
** 8"	Wt. 25 lbs.

** For No. 670 Extractor Installation (Less Wrench).*

*** Requires No. 692 Wrench Wt. 4¾ lbs.*

Many applications do not require a plain flush fill box as heavy and as rugged as No. 452. To meet this demand, especially in fuel oil installations, Buckeye offers No. 623. In design and construction this model is similar to No. 452 at the left. The principal difference is that No. 623 is lighter in weight. Body is cast iron; lid is brass. Malleable iron wrench furnished with each box. The one size in which this popular Fill Box is made has given marvelous service wherever installed.

No. 623–2"	Wt. 2½ lbs.

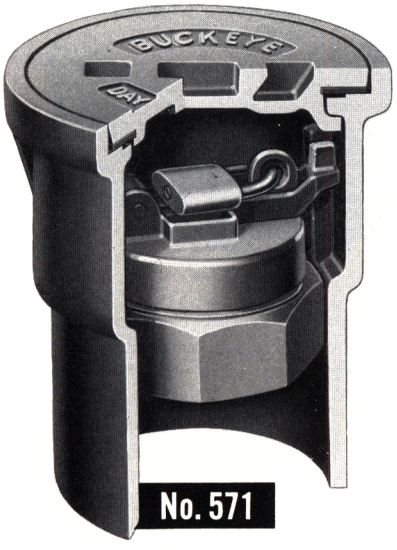


This flush, water-tight fill box is built with a heavy brass threaded insert which can be easily replaced, should occasion require. No pipe connections or concrete drives need be disturbed. A water-tight gasket separates brass insert from heavy cast iron body. Insert is held firmly in place by four countersunk screws. Brass lid has pilot below thread for easy replacement and protection.

No. 852–2"	Wt. 3¾ lbs.
3"	Wt. 6 lbs.
4"	Wt. 8½ lbs.

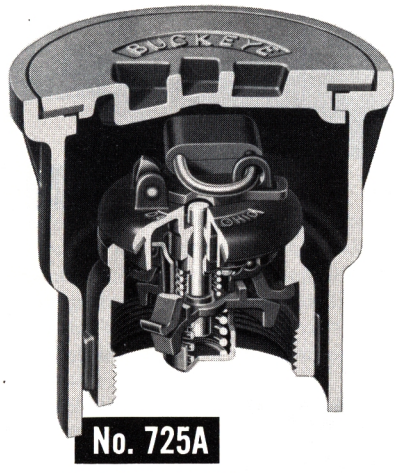
Buckeye FLUSH FILL BOXES

Manhole Types



For storage tanks buried under concrete drives, No. 571 has proved ideal. Should the tank settle, there is no strain on the pipe connections. The top of the deep bodied manhole which is set firmly in concrete remains flush with drive at all times. The manhole body is heavy cast iron; the quick-acting lid is malleable iron. The inside brass body is screwed permanently on the fill pipe. The brass lock cap, which is easily removed and replaced, screws onto the brass body. The malleable iron lock arm rests against a heavy rib inside the manhole body, thus securely locking the cap. Malleable iron wrench is furnished.

No. 571–2″	Wt. 11½ lbs.
2½″	Wt. 13¼ lbs.
3″	Wt. 16½ lbs.
3½″	Wt. 22 lbs.
4″	Wt. 24¼ lbs.

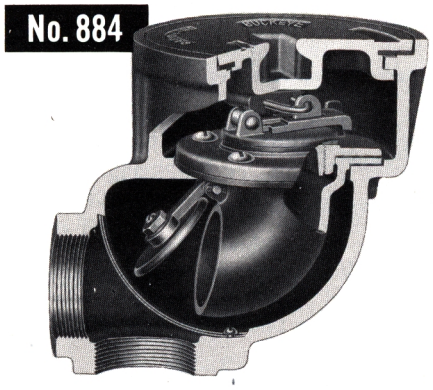


Patent No. 2,183,282

This is another manhole flush fill box designed so that should the tank settle, pipe connections will not be affected or concrete drives damaged. In addition, the inside assembly has features not found in any other fill box—(1) The quick-acting top lid of the manhole cannot be replaced until the wrench is removed. (2) When the wrench is removed, spring-loaded arms slide under the shoulder in the cast iron body, automatically locking the cap assembly to the body. It cannot be removed except by use of special malleable iron wrench furnished. In addition, a malleable iron lock arm covers operating plunger, making this box doubly tamperproof. Both lids are water-tight.

No. 725A–2″	Wt. 20¾ lbs.
2½″	Wt. 20¼ lbs.
3″	Wt. 20 lbs.
4″	Wt. 27 lbs.

New York City Type

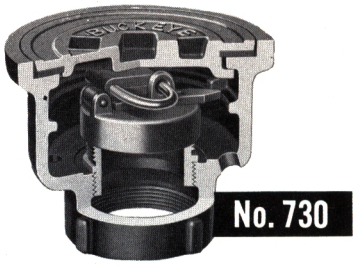


(N.Y.C. Board of Standards and Appeals approval No. 629-47-SM.)

This water-tight box has a cast iron body and elbow and quick-opening lid of malleable iron. Locking cap (threaded inside), swing check valve, and removable double 20-mesh fire screen are brass. Full pipe size capacity assures speedy delivery. Malleable iron wrench and brass plug furnished—plug fits either of two outlets.

No. 884–2″ N.Y.C. Fill Box Wt. 26 lbs.
3″ N.Y.C. Fill Box Wt. 37 lbs.

Male Nipple Type



The special feature of this flush fill box is that it has a double male brass nipple screwed into the heavy cast iron body. The top thread receives the lock cap or hose coupling for making tight connections. Top, quick-acting lid is malleable iron, as is lock arm. Body, heavy cast iron; lock lid, brass.

No. 730–2″	Wt. 9¼ lbs.
2½″	Wt. 13½ lbs.
3″	Wt. 16¾ lbs.
4″	Wt. 19 lbs.

Fill and Gauge Box

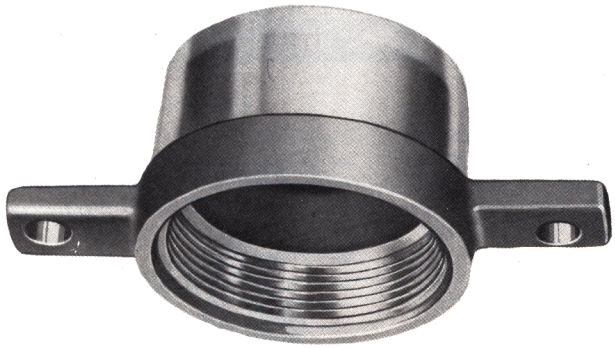
The cutaway illustration shows the main features of this model. The box cannot be removed from the fill pipe due to the swivel action of the lock ring. No wrench can get to the body itself which is screwed directly on the fill pipe. This box is water-tight. The lid can be locked but still the contents of the tank gauged by simply removing the gauge plug to which is attached the gauge rod. This unit is usually installed in one of the many Buckeye Cast Iron Manholes.

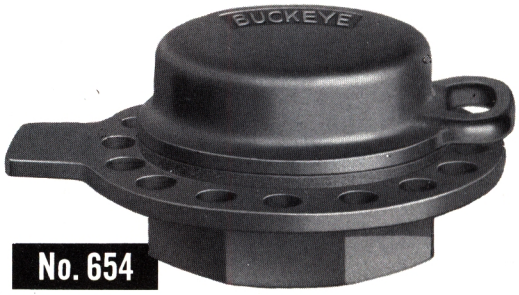
No. 650–2″	Wt. 5 lbs.
2½″	Wt. 6½ lbs.
3″	Wt. 7¼ lbs.

This wrench is used in installing No. 650 (above) and also in removing and replacing lock lid. Not regularly furnished. Must be ordered at slight extra cost.

No. 465-1 For 2″	Wt. 1¼ lbs.
No. 465-2 For 2½″	Wt. 1½ lbs.
No. 465-3 For 3″	Wt. 1½ lbs.

Buckeye WATER-TIGHT FILL CAPS

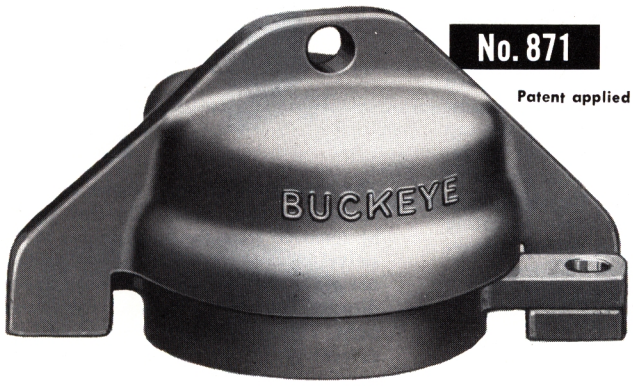




No. 654

An important feature of this Buckeye All-Brass Fill Cap is that a washer is held on the body in recess. This not only prevents loss of the washer but also helps make the Fill Cap absolutely water-tight. Note also that a locking loop on the cap with a series of holes on the body flanges provides handy locking, regardless of the position of the cap. A name or tag plate extending beyond the body is an added feature. No. 654 is made of heavy brass castings, both body and lid, a very popular all-brass model.

No. 654–2″	**Wt. 1¾ lbs.**		**3″**	**Wt. 4¼ lbs.**
2½″	**Wt. 3 lbs.**		**4″**	**Wt. 7 lbs.**



No. 871

Patent applied for

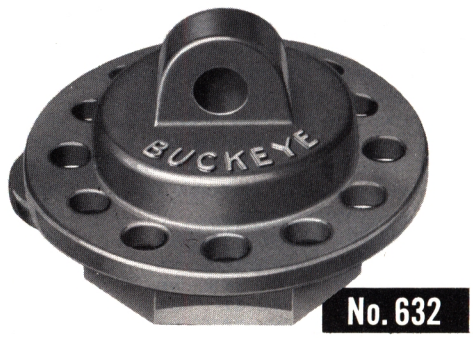
All new . . . all brass . . . the all-around protection devised against water seepage. It slips on or off quickly and easily—seals tightly without the use of tools. Location of sealing surface prevents damage during filling or handling. Threadless construction guarantees safe service year after year. Here's how it works:

A removable, durable "O" ring inside the "PresTite" cap forms a slip-fit against the sealing surface on the body. A twist of the wrist, and the cap is fastened on—forming a perfect seal. Another twist, and it's off—ready for filling.

Buckeye No. 871 PresTite Fill Caps can be used with our Cast Iron Manholes (Page 25) for flush installations, or they can be used for above ground when not in driveways.

Larger sizes have handles on caps for easy removal and replacement.

No. 871–1½″	**Fill Cap**	**Wt. 2¼ lbs.**
2″	**Fill Cap**	**Wt. 3¼ lbs.**
2½″	**Fill Cap**	**Wt. 4¼ lbs.**
3″	**Fill Cap**	**Wt. 6 lbs.**
3½″	**Fill Cap**	**Wt. 7½ lbs.**
4″	**Fill Cap**	**Wt. 8½ lbs.**



No. 632

Here is a standard type of water-tight Fill Cap used extensively where fill pipe extends above the ground; also with cast iron manholes (Page 25) to make flush installations in concrete drives.

No. 632 has this outstanding feature: The sharp clean-cut female thread in the lid is machined back about ⅛″ to pilot it onto the body thread. This makes the lid easy to remove and replace without danger of stripping the threads. With a series of holes extending beyond the body, locking is made simple and easy. The brass body of each Fill Cap is equipped with a "grooved" set screw which can be tightened against thread of fill pipe, then chipped off. This prevents removal of body from fill pipe. Body is brass; lid is iron; leather gasket in lid makes it water-tight.

No. 632–2″	**Wt. 2¼ lbs.**				
2½″	**Wt. 3 lbs.**		**3½″**	**Wt. 5¾ lbs.**
3″	**Wt. 4 lbs.**		**4″**	**Wt. 7¼ lbs.**

Buckeye VENTED FILL CAPS

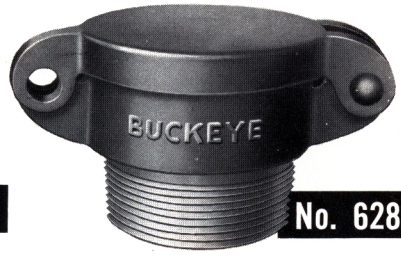
No. 440

Both body and cap of this model are made of heavy cast iron. Since these caps are generally used in above-ground installations, they need not be water-tight, but do have the venting feature.

Extension arm on the body slips through the cap for padlocking. The cap cannot be removed because a lug in the front of the body fits firmly in recess of cap.

These caps are preferred for skid tanks, farm units or wherever auxiliary vents are not required.

No. 440—2″	**Wt. 2½ lbs.**
2½″	**Wt. 3¼ lbs.**
3″	**Wt. 4½ lbs.**
3½″	**Wt. 5 lbs.**



No. 628A

Here is a fill cap that is designed to do a specific job. It is similar in construction to No. 628 at right, except it has a male thread which is screwed directly into the skid tank or farm unit, thus making the use of a short nipple unnecessary.

The body and cap are of sturdy cast iron. Cap is hinged to the body so it cannot be lost. Extended ears on cap and body are properly drilled so it can be locked.

Since it need not be water-tight, it has venting features.

This makes an inexpensive unit for direct connection into the tank.

No. 628A—2″ Wt. 2 lbs.

No. 628

On above-ground fill installations, this fill cap makes an economical unit to use. Since it need not be water-tight, it has venting features. Extensively used on skid tanks, farm units or wherever auxiliary vents are not required.

The body and cap are made of heavy cast iron. The cap is hinged to the body. Extending ears properly drilled permit locking. An inexpensive fill cap designed for long service.

No. 628—2″	**Wt. 1¾ lbs.**
2½″	**Wt. 2½ lbs.**
3″	**Wt. 3½ lbs.**
4″	**Wt. 4½ lbs.**

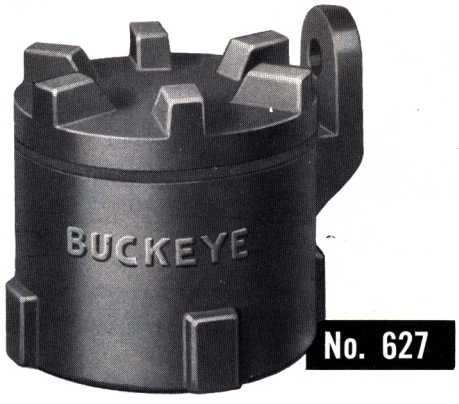
Water-Tight Fill Caps

No. 752

Many users prefer a design of lock-type Fill Cap, like No. 752. The heavy malleable iron locking hasp clamps down securely over the brass lid, giving unsurpassed protection. A leather washer in the lid forms a water-tight seal.

The body is heavy cast iron—the complete assembly assuring long life and utmost of convenience in use.

No. 752—2″	**Wt. 2¼ lbs.**
3″	**Wt. 4 lbs.**
4″	**Wt. 6¼ lbs.**



No. 627

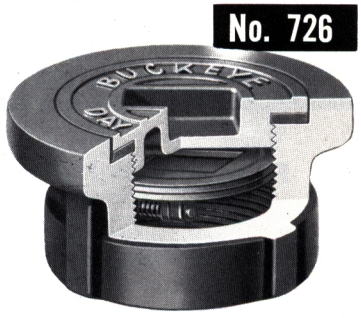
There is a wide demand for an inexpensive, yet highly efficient, Fill Cap. Buckeye provides such a Cap in its all-iron No. 627.

Like some Buckeye Fill Caps, this low-priced model is absolutely water-tight, made so by leather washers securely installed on the lid.

Both lid and body are rugged cast iron. Cap lugs provide convenient locking positions for the padlock hasp, while wrench lugs on the body make installation simple and easy.

No. 627—2″ Wt. 2 lbs.

Gauge Box



No. 726

Here is a light weight, water-tight gauge box which has been designed for checking storage tanks buried under floors of buildings.

It meets city ordinance requirements for gauge boxes. As the gauging rod is withdrawn, the spring-loaded brass lid closes automatically.

The top and inside self-closing lid are made of brass as is the inside threaded ring. Body is cast iron, with wrench lugs for installation. One size only.

No. 726—2″ Wt. 4¼ lbs.

Buckeye FILL CAPS AND ACCESSORIES

Water-Tight Fill Caps

No. 764L

This all-brass Buckeye fitting was designed for use on fill lines chiefly at railroad unloading points. It is now finding its way for use on tank trucks, in bulk plants and service stations.

Used in either vertical or horizontal position. Water-tight. A series of holes in the body flange with a locking lug on the cap provide convenient locking. A 10″ chain prevents loss of cap.

No. 764L—2″	Wt. 2½ lbs.
2½″	Wt. 4 lbs.
3″	Wt. 5½ lbs.
4″	Wt. 7¾ lbs.

No. 764

This Fill Cap is similar in design to the No. 764L (left) except it is the non-locking type. For a tight connection, the hose is connected to the male thread of the adapter.

This cap is also water-tight, having a specially treated leather washer.

Lugs on the body serve for installation on fill pipe. A 10″ chain prevents the loss of cap.

No. 764—1¼″	Wt. 1¼ lbs.
1½″	Wt. 1½ lbs.
2″	Wt. 2 lbs.
2½″	Wt. 3¼ lbs.
3″	Wt. 4½ lbs.
4″	Wt. 6¼ lbs.

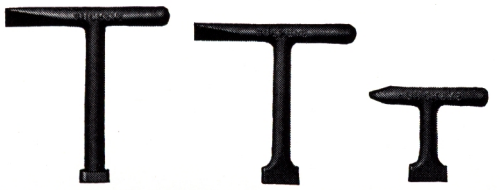
Fill Deflector

No. 761

To prevent gasoline or other petroleum products from splashing or roiling underground tank sediment, the No. 761 (Iron) or No. 761B (Brass) Anti-Splash Fill Deflector is used. It is installed on the bottom of the submerged fill pipe which causes the liquid to enter the tank with little disturbance.

A raised cone in the center deflects the liquid upward, assuring a smooth even flow. Wrench lugs make installation easy.

No. 761B—2″	(Brass)	Wt. 1¼ lbs.
2½″	(Brass)	Wt. 1¾ lbs.
3″	(Brass)	Wt. 2½ lbs.
No. 761 —3″	(Iron)	Wt. 4 lbs.
4″	(Iron)	Wt. 5¾ lbs.



No. 7577 No. 1429-2 No. 2739-3

Fill Box Wrenches

Though these wrenches are furnished with each fill box as indicated, extras can be had at slightly extra cost if needed.

No. 7577 Wrench is used with No. 725A Manhole and Fill Box.

No. 1429-2 Wrench is used with Nos. 449, 450 and 461 Flush, Lock-Type Fill Boxes.

No. 2739-3 Wrench is used with Nos. 452 and 623 Flush Fill Boxes.

No. 1429—2 Wrench Wt. 14 oz. No. 2739—3 Wrench Wt. 10 oz.
No. 7577 Wrench Wt. 14 oz.

Fill Pipe Strainer

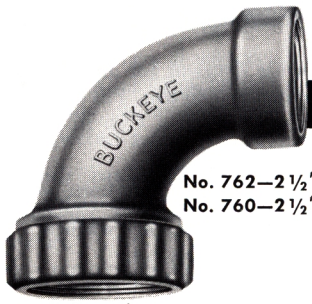
No. 622

No need to stress the importance of delivering clean gasoline to customers. No. 622 Fill Pipe Strainer does a good job in straining the fuel going into the storage tank. It is so easy to drop into fill box or fill cap. Further, it makes a very inexpensive combination.

Top portion is terne plate with a screen of strong brass wire especially designed to give full capacity.

No. 622—2″	Wt. 4 oz.
2½″	Wt. 5 oz.
3″	Wt. 7 oz.
3½″	Wt. 8 oz.
4″	Wt. 10 oz.

Coupling Elbow—Filling Adapter



No. 762

No. 760

No. 762—2½″ Swivel x 2″ Female I.P.T. Wt. 4¾ lbs.
No. 760—2½″ Male x 2″, 2½″ & 3″ Male Wt. 4¾ lbs.

The No. 760 may be applied to any fill box having a female thread. A tight connection is made by attaching the swivel end of No. 762 Coupling Elbow to the 2½″ top male thread of No. 760 Filling Adapter. This Adapter has three sets of male threads to fit 2″, 2½″ and 3″ Flush Fill Boxes. Made of sturdy brass casting.

Buckeye CAST IRON MANHOLES

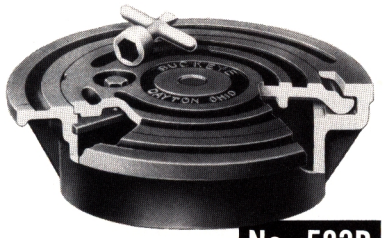
No. 592B

This rugged manhole is used widely (1) with various types of extractor fittings and (2) with fill caps when a manhole is needed to cover the fill cap and make an installation flush with the driveway. Flange diameter wide enough to make firm setting in concrete.

The lid is heavily reinforced underneath. It can be locked with a malleable iron wrench which is furnished with each manhole. Lid can be easily replaced without disturbing manhole or concrete.

Body I.D.	Depth	Flange
7½″	7″	11″

No. 592B—7½″ Wt. 21½ lbs.



No. 583B

This manhole is practically the same in design as the No. 592B at left except the body is not so deep. Some installations do not require deep bodies, while some contractors have used this manhole with their own special type of installation successfully.

The lid for No. 583B is heavily ribbed underneath so as to withstand traffic of a busy service station. It can be locked with malleable iron wrench which comes with each manhole. It can be replaced without removing manhole body or disturbing concrete.

Body I.D.	Depth	Flange
7½″	2⅝″	11″
9″	2⅝″	12½″

No. 583B—7½″ Wt. 13¾ lbs.
9″ Wt. 19½ lbs.

No. 659

This is probably the strongest manhole used in the oil industry. Where heavy trucks must repeatedly drive over manholes, this is the one generally selected by construction engineers.

In addition to its unusual sturdiness, No. 659 has a heavy quick-acting lid. The feature of this lid is that as it is turned counterclockwise for removal, it rises well above the body flange, making it easy to lift off—and it is just as easy to replace.

Recesses in lid for extractor wrenches, while standard fill box wrench can be used when No. 659 is installed with fill caps.

Body I.D.	Depth	Flange
7½″	4″	10″
10″	4″	12½″

No. 659— 7½″ Wt. 20 lbs.
10″ Wt. 33 lbs.

No. 817

This Manhole has been specially designed to do the work of two. When the suction openings in the storage tank are close together (about 9″ on center), No. 817 serves both Buckeye extractor installations.

The over-all of the flange or top diameter is 20″ x 10″. The free opening in the manhole is 18″ x 8″.

The lid, which is reinforced by heavy ribs on the under side, will carry a heavy load. The top of the lid has a non-skid diamond tread which adds to the safety of customers. The lift hole rim is built up to keep out water—a very important feature.

The body, too, is well ribbed so it will set firmly in concrete. Flange, as noted by above dimensions, is wide enough to insure adequate support.

No. 817—18″ x 8″ Wt. 25½ lbs.

No. 717

To meet a wide and growing need for an inexpensive but rugged and durable manhole, No. 717 was developed. It has proved its worth in service station and other installations throughout the country.

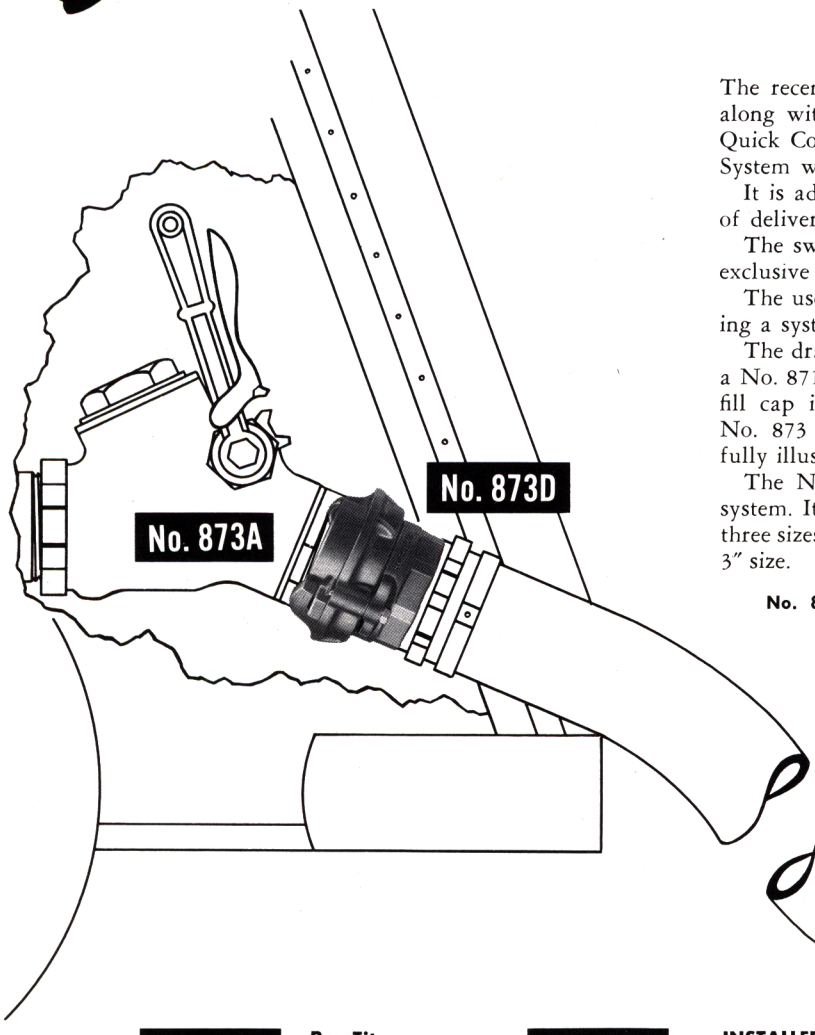
The lid, which must take the brunt of heavy traffic, is well reinforced underneath by heavy ribs. The top of the lid has a non-skid diamond tread, adding to its appearance and safety. The rectangular lift hole rim is built up to keep out water—a very important feature.

The body is well ribbed so that it will set firmly in concrete. Flange is wide enough to insure adequate support.

Body I.D.	Depth	Flange
8″	3¼″	10⅛″
10″	3¼″	12″
12″	3¼″	14⅝″
14″	7″	17″

No. 717— 8″ Wt. 12½ lbs.
10″ Wt. 16 lbs.
12″ Wt. 23 lbs.
14″ Wt. 53 lbs.

Buckeye PresTite FOR TIGHT FILLS



The recent introduction of the No. 871 PresTite Fill Cap, along with No. 873 Quick Couplings and the No. 873N Quick Coupling Elbow, has made this the ideal Tight Fill System which is being required in more communities.

It is adopted by oil companies because it increases speed of delivery 20% to 30%. It is safer and eliminates spilling.

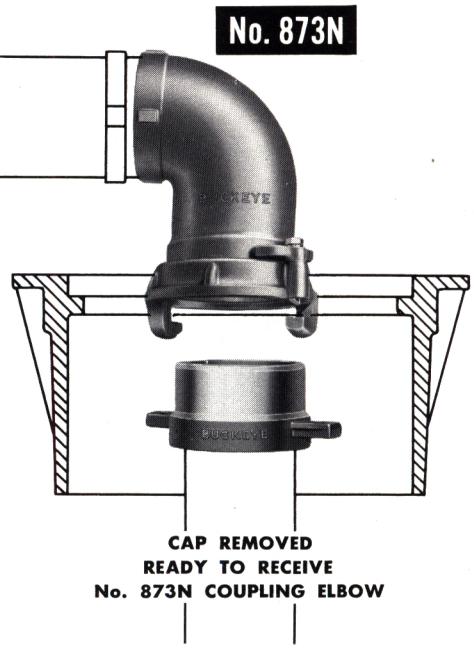
The swivel on the No. 873 Quick Coupling is an added exclusive feature, much desired on larger hose especially.

The use of "O" Ring seals eliminates threads, thus making a system that will endure.

The drawings illustrate the simplicity of the system when a No. 871 Fill Cap (See Page 22) is used to replace present fill cap installations or new installations are made. The No. 873 Quick Couplings in various types and sizes are fully illustrated and explained on Pages 46, 47 and 48.

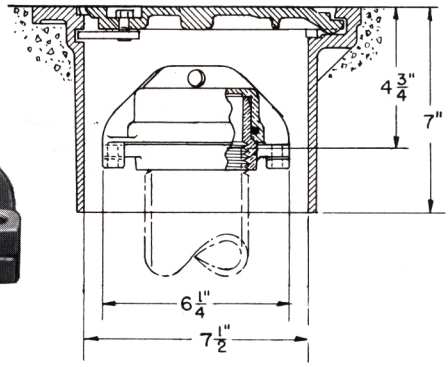
The No. 873N Quick Coupling Elbow rounds out the system. It employs the "O" Ring seal also, and is made in three sizes to take 2", 2½" or 3" hose. Coupling end is always 3" size.

No. 873N—2" I.P.T. x 3" Coupling Wt. 5¼ lbs.
2½" I.P.T. x 3" Coupling Wt. 5½ lbs.
3" I.P.T. x 3" Coupling Wt. 5¾ lbs.



No. 871 PresTite FILL CAP

No. 871 INSTALLED IN No. 592B MANHOLE



CAP REMOVED READY TO RECEIVE No. 873N COUPLING ELBOW

USING PresTite SYSTEM WITH PRESENT INSTALLATIONS

Because some firms do not want to disturb their present installations of Fill Boxes, Manhole Flush Fill Boxes or Fill Caps, Buckeye has developed adapters to enable the use of this unique Tight Fill System.

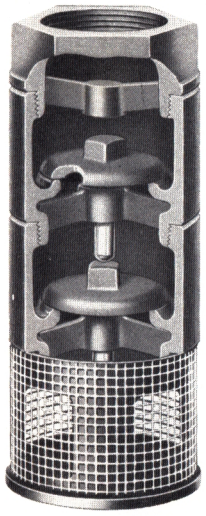
Thus, this system is available to anyone who wants to speed up delivery, comply with new ordinances and prevent waste, without ripping out present installations.

In order to work out the system needed for your individual case, please contact the salesman regularly furnishing you with Buckeye products—have him go over your present installations and recommend the PresTite System ideally fitted for your own needs.

Buckeye ALL-BRASS FOOT VALVES

With Metal-To-Metal Seats and Discs

No. 439



Because Buckeye all-brass foot valves have been installed in every conceivable installation over such a long period of time—they are recognized as standard by construction engineers and service men.

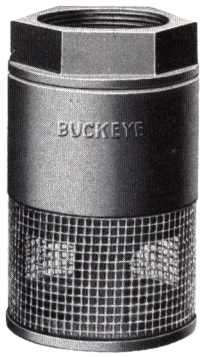
No. 439 (double poppet for double protection) is an example of the sound basic design of Buckeye foot valves. Seats and discs are carefully machined to a glass-like surface, finished by a special tool and special process, and the disc finally lapped to the seat by hand.

Single Poppet No. 438 embodies all the engineering skill and experience which have helped to place Buckeye Foot Valves so high in the estimation of oil men everywhere.

Each valve must pass an exacting air-pressure test under water. Valves are then immediately packaged to prevent dust or foreign particles from getting on seats or discs.

Each valve has strong hexes at top for installation on suction pipe, so pipe wrench need never be used on body. Springs can be furnished at slight extra cost.

	No. 439 Wt.	No. 438 Wt.		No. 439 Wt.	No. 438 Wt.
½″	1 lb.	¾ lb.	2″	6 lbs.	4¼ lbs.
¾″	1¼ lbs.	¾ lb.	2½″	9¾ lbs.	6¾ lbs.
1″	1¾ lbs.	1¼ lbs.	3″	15½ lbs.	10¾ lbs.
1¼″	2¼ lbs.	1½ lbs.	4″	28¼ lbs.	19¾ lbs.
1½″	4 lbs.	2¾ lbs.			



No. 438

With Special Strainers

The Single Poppet and Double Poppet Valves here illustrated embody the same sound time-tested design principles as are found on Nos. 438 and 439 above. The only difference is that Nos. 638 and 639 have a specially designed strainer or cage.

Inside the screen, a baffle plate prevents liquid from being drawn up from the bottom of the tank. Instead, the liquid is drawn into the valve from above. This eliminates the possibility of stirring up sediment, insures the delivery of clean fluid and protects pump equipment.

These valves are all-brass. Screen is strong and durable and allows unrestricted flow of the liquid.

Flat seats and flat discs are also features of these Single and Double Poppet Valves.

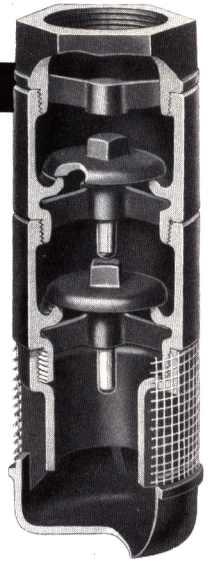
To further insure long and severe service, the most rigid types of tests, inspections and expert packing are employed before the valves leave the factory.

Springs can be furnished with these valves at a slight extra cost.

	No. 638 Wt.	No. 639 Wt.
1½″	3¼ lbs.	4½ lbs.
2″	4¾ lbs.	6½ lbs.

No. 638

No. 639

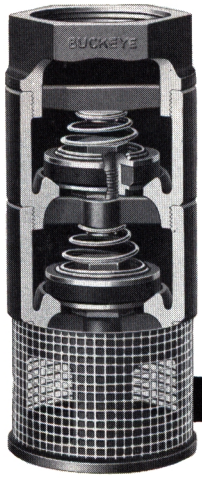


FOOT VALVE DIMENSIONS

Size	Outside Valve Diameter	Size of Tank Flange Valve Will Pass Thru	Size of Pipe, Valve Will Pass Thru	Length Single Poppet	Length Double Poppet
½″	1 5/8″	1 1/2″	2″	3 1/8″	4 1/4″
¾″	1 7/8″	2″	2″	3 3/8″	4 1/2″
1″	2″	2″	2″	3 1/2″	4 3/4″
1¼″	2 1/8″	2 1/2″	2 1/2″	4 1/8″	5 1/2″
1½″	2 3/4″	3″	3″	4 3/8″	6″
2″	3 3/8″	3 1/2″	3 1/2″	4 7/8″	6 7/8″
*2 1/2″	4 1/8″	4″	5″	6 3/4″	9 1/4″
3″	4 15/16″	5″	6″	6 29/32″	9 17/32″
4″	6 7/32″	6″	8″	8 1/4″	11 5/16″

Can be furnished with 3″ I.P.T. Top Connection, if specified.

Buckeye COMPOSITION DISC FOOT VALVES



No. 619

No. 618

Because some construction engineers and servicemen prefer a spring-loaded composition disc foot valve, No. 619 (Double Poppet) and No. 618 (Single Poppet) have found extensive use.

The disc is absolutely impervious to gasoline and oil. It won't swell, warp, or vulcanize.

It is expertly machined to guarantee a perfect seat; moreover, a cone shaped spring of the proper tension insures the return of the disc to its seat the instant the pump stops.

Both the Double Poppet and Single Poppet Valves have full capacity with maximum lift on the disc.

After passing the severe air-pressure test under water and thorough inspection, the valves are immediately packed to keep out dust, dirt and foreign matter.

No. 619—1 ½″	Wt. 4 ½ lbs.	No. 618—1 ½″	Wt. 3 lbs.
2″	Wt. 6 ¼ lbs.	2″	Wt. 4 ¼ lbs.

Water-Locking Foot Valve

These valves are applicable wherever gasoline is pumped from underground tanks. They operate perfectly on any speed from low to the fullest capacity of the pipe for which they are made. Whether used as a separate intake protector or in combination with foot valves, they prevent water intake.

The weighted float will sink in gasoline but float in water. The intake of the valve is from the side only. As long as the water contamination remains below the top of the float, which is considerably below the gasoline intake, the flow of gasoline is not retarded.

But if water level increases beyond this point, the float becomes buoyant and the suction immediately draws up the shut-off plate to lock off the line.

Non-delivery of gasoline from the pump indicates the presence of excess water. Removal of the water allows the float to drop back, permitting normal pumping to be resumed.

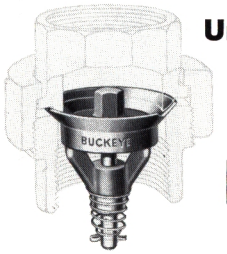
No. 438V and No. 439V are Buckeye Single and Double Poppet Foot Valves, respectively, equipped with No. 847 Water-Locking Valve, Complete.

If Water-Locking Valve Only (without foot valve) is desired for end of suction line, order No. 847B -I.P.T.

No. 438V

No. 847 —1 ½″	Wt. 2 ¾ lbs.	No. 438V—1 ½″	Wt. 4 ¼ lbs.	No. 439V—1 ½″	Wt. 5 ½ lbs.
2″	Wt. 3 lbs.	2″	Wt. 5 ¾ lbs.	2″	Wt. 7 ½ lbs.
2 ½″	Wt. 6 lbs.	2 ½″	Wt. 10 ¾ lbs.	2 ½″	Wt. 13 ¾ lbs.
3″	Wt. 6 ½ lbs.	3″	Wt. 15 lbs.	3″	Wt. 19 ¼ lbs.
4″	Wt. 15 lbs.	4″	Wt. 27 lbs.	4″	Wt. 35 lbs.
No. 847B—1 ½″	Wt. 2 ¾ lbs.				
2″	Wt. 3 lbs.				

Union Check Valves



No. 732

Suction line leaks are stopped effectively with this efficient brass (except disc) Union Check Valve. The illustration gives a good idea of its installation. Simply disconnect the union at the base of the pump; insert No. 732 Check Valve as shown and tighten.

No. 732B is equipped with strainer.

No. 732 —1 ½″	Wt. 5 oz.
No. 732B—1 ½″	Wt. 6 oz.

No. 685

No. 685 is a double-duty assembly, combining the functions of a Vertical Check Valve and a Ground Joint Union. This valve is unexcelled for holding the prime in a long suction line. It is installed in place of the union, usually below the pumping unit. Made of brass with a composition disc. Over-all width—3 5/8″; over-all length—3 9/16″.

No. 685—1 ½″ Wt. 3 ½ lbs.

Vertical Check and Relief Valve

No. 568

This valve is installed at the base of pump to take care of excess pressures. If pressure in excess of 35 pounds is built up in pumping unit, the relief valve permits seepage back in to suction line to reduce pressure. Intake check operates at 4 ounces without restriction.

Made entirely of brass except for composition discs.

No. 568—1″ Wt. 2 ¾ lbs.

Buckeye EXTRACTOR TYPE CHECK VALVES

The Vertical Check Extractor Valve was designed for installation in the base of a dispensing pump.

Instantly accessible, it can be serviced without removing the valve body, without breaking a union or without disturbing the piping connections.

To service the valve, only a small "S" wrench is needed to remove the cap screws and a screw driver to place across the slotted inner lock ring to loosen it. Then the inside assembly, consisting of the lock ring, seat and disc can be lifted out easily for inspection and repair or replacement.

No. 850 is made with metal-to-metal flat seat and disc, and No. 851 with composition disc and spring loaded stem.

Both valves can be furnished with strainers, if specified.

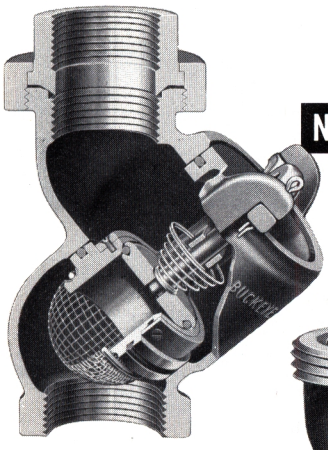
Repeated tests have shown these valves with unusually large capacity, thus causing no restriction.

Over-all height: 1½"—4 13/16"; 2"—5 3/32".

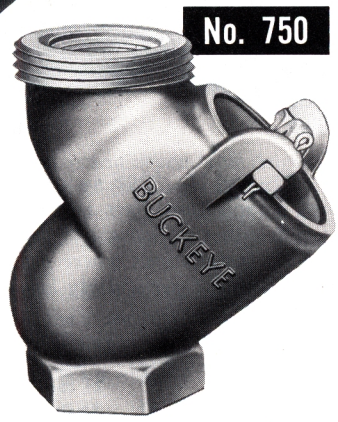
For a valve with I.P.T. brass male bushing at top order No. 850B or No. 851B. Made in 1½" size only.

No. 850C or No. 851C in 1½" size is equipped with strainer.

Complete Valves		Inside Assemblies Only	
No. 850—1½"	Wt. 7¾ lbs.	No. 850—1½"	Wt. ½ lb.
2"	Wt. 11½ lbs.	2"	Wt. 1½ lbs.
No. 851—1½"	Wt. 8 lbs.	No. 851—1½"	Wt. ½ lb.
2"	Wt. 11¾ lbs.	2"	Wt. 1 lb.



With Union



Without Union

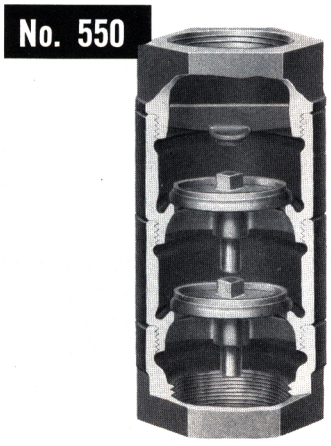
This newly designed Buckeye valve offers easy accessibility when installed in service station pumps. It is all-brass construction, offers gasoline resistant "O" Ring seals throughout, and can be serviced without breaking the union or disturbing pipe connection. Requires no special tools to service.

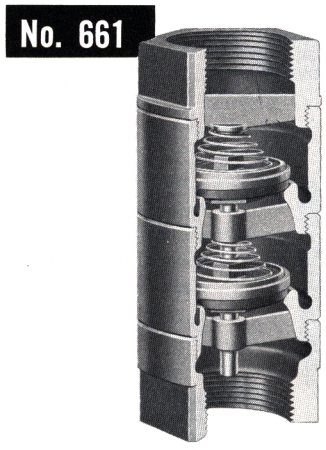
Some special features: Poppet guide, stem and spring are out of line of flow, no restriction . . . "O" Ring poppet seal can be easily replaced . . . One-piece disc and stem cannot be loosened by vibration . . . Light disc spring . . . Can be used horizontally.

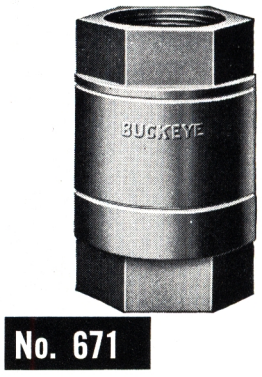
Unit without union—5 13/32" high; with union—6 9/16" high.

No. 750 —1½" Valve, less Union	Wt. 4¾ lbs.
No. 750A—1½" Valve, with Union	Wt. 5¾ lbs.

Buckeye BRASS VERTICAL CHECK VALVES







Years of dependable service of all the vertical check valves shown here have resulted from practical original design, excellent workmanship and a rigid system of test and inspection.

No. 425 (Single Poppet) and No. 550 (Double Poppet) are all-brass, of flat seat and disc construction. They have been used in suction lines for many years.

No. 671 (Single Poppet) and No. 661 (Double Poppet) are brass except equipped with a spring-loaded composition disc impervious to all petroleum products.

Heavy hexes on both ends of valves make unnecessary the use of a pipe wrench on the body, which could distort the seats. Ends have standard female pipe threads.

Size	No. 550 Wt.	No. 425 Wt.
½″	1 lb.	¾ lb.
¾″	1 ¼ lbs.	1 lb.
1″	1 ¾ lbs.	1 ¼ lbs.
1 ¼″	2 ½ lbs.	1 ¾ lbs.
1 ½″	4 lbs.	3 lbs.
2″	6 ¼ lbs.	4 lbs.
2 ½″	11 ¾ lbs.	8 ¾ lbs.

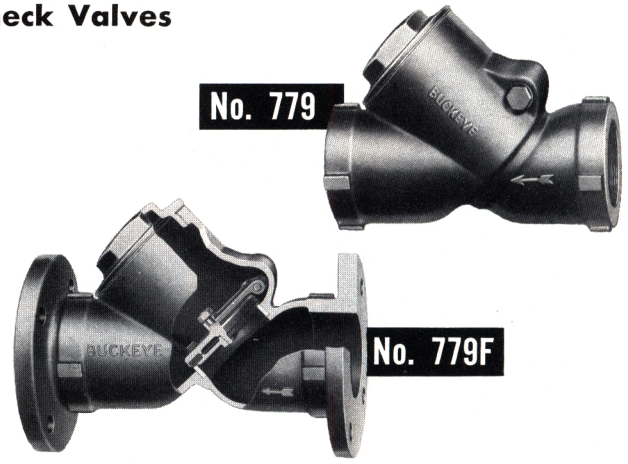
Size	No. 550 Wt.	No. 425 Wt.
3″	16 ¾ lbs.	12 ¼ lbs.
4″	30 lbs.	21 ½ lbs.

Size	No. 661 Wt.	No. 671 Wt.
1 ½″	4 ½ lbs.	3 ¼ lbs.
2″	6 ½ lbs.	4 ¼ lbs.

Swing Check Valves

No. 444 and No. 79 are very similar brass valves for use in underground piping between storage tanks. The disc is hinged in the top of the valve so that while the pump is operating, the disc is completely out of the way. No. 444 can be installed in either vertical or horizontal position while No. 79 is designed for horizontal position only.

No. 444—1″	Wt. 1 ¾ lbs.	No. 79— ½″	Wt. ¾ lb.
1 ½″	Wt. 3 ¼ lbs.	¾″	Wt. 1 lb.
2″	Wt. 4 ¼ lbs.	1 ¼″	Wt. 2 ½ lbs.
No. 79— ⅛″	Wt. ½ lb.	2 ½″	Wt. 9 lbs.
¼″	Wt. ½ lb.	3″	Wt. 14 lbs.
⅜″	Wt. ¾ lb.		

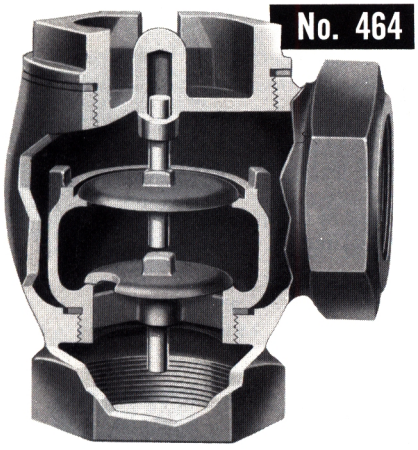


No. 779 and No. 779F Swing Check Valves have iron bodies with composition discs and brass trimming. Both may be used in either horizontal or vertical position and are desirable for installations where gasoline and oil are handled in large volume—particularly large airports and bulk storage plants.

Size	No. 779 Wt.	No. 779F Wt.
3″	21 lbs.	36 ¼ lbs.
4″	35 lbs.	62 lbs.

Buckeye ANGLE CHECK VALVES

With Removable Assemblies



No. 464 **No. 464A**

Because the complete removable assembly can be quickly removed from this installation without breaking any pipe connections, No. 464 has been the standard angle check valve for years—a proven product.

Of late years a valve with male thread has been desired by some construction engineers, so No. 464A with the self-same fine qualities of No. 464 was added. Bottom male thread for 1½" size is 3½" I.P.T.; 2" size is 4" I.P.T.

Inside assembly is standard with either. Double disc for double protection. Flat seats and discs, metal-to-metal, all-brass. Cap brass, also.

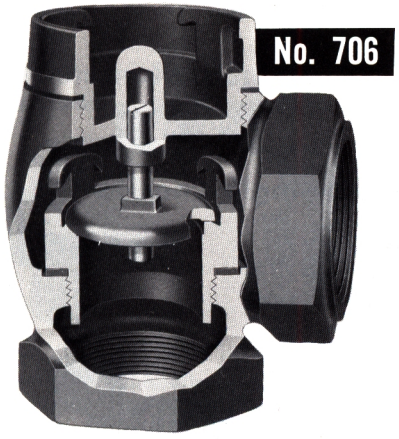
Body is heavy cast iron, zincolated to protect against rust.

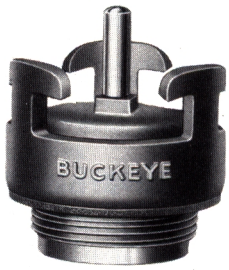
	No. 464		No. 464A	
Sizes:	1½"	2"	1½"	2"
Wt.:	10 lbs.	12¼ lbs.	13¼ lbs.	15½ lbs.

ASSEMBLY

Should it be necessary at any time to remove the assembly in Nos. 464 and 464A for examination, repair or replacement, this can be done in a matter of minutes. The only tool needed is the special wrench (No. 465) shown on the next page. The iron body remains installed in the line.

(Housing, Two Discs and Gasket.)
1½" Wt. 1¾ lbs.
2" Wt. 2¼ lbs.





No. 706 **No. 706A**

To meet the demand for an efficient and dependable Angle Check Valve at lower cost, Buckeye developed and perfected the Single Disc types, Nos. 706 and 706A.

No. 706 has wrench hexes for attaching to the suction nipple while No. 706A has a male thread which screws right into the tank flange. This is the only difference in the two models.

They have heavy cast iron bodies. Cap and inside assembly are cast brass.

If occasion should require it, the assembly can be removed easily and quickly without breaking the pipe connection.

Bottom male thread for No. 706A is 3½" I.P.T.

No. 706—1½" Wt. 6¼ lbs. **No. 706A—1½" Wt. 9¼ lbs.**

ASSEMBLY

The valve assembly on Nos. 706 and 706A can be brought to the surface if necessary at any time for inspection, repair or replacement. The iron body is not affected in any way nor is the pipe connection broken.

The removable assembly is another reason for the low operating cost of the popular Buckeye Angle Check Valves shown on this page.

1½" (Housing, 1 Disc and Gasket) Wt. 1 lb.

Buckeye ANGLE CHECK VALVES

With Permanent Seats

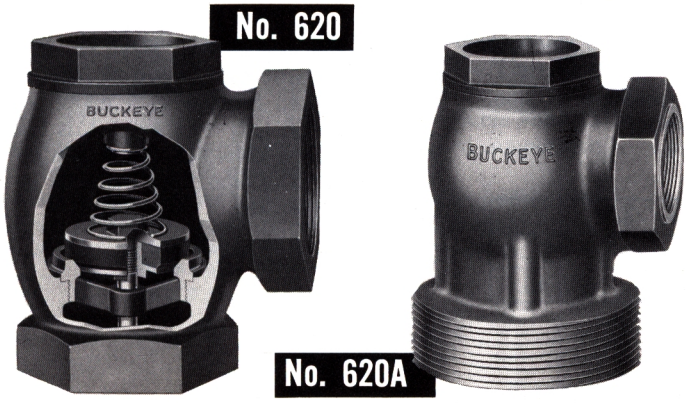
These valves are built to withstand hard usage. The brass seat is screwed permanently into the sturdy cast iron body before machining to prevent distortion. Body of either type is zincolated.

No. 454 has hexes for installation; No. 454A has male thread (1½" size—3½"; 2" size—4") for installing direct in tank opening. Cap and disc of brass.

Each type may be equipped with springs at small extra cost, if required.

	No. 454			No. 454A	
Sizes:	1½"	2"	3"	1½"	2"
Wt.:	5¼ lbs.	8¾ lbs.	15 lbs.	8 lbs.	11½ lbs.

With Composition Disc



For those who prefer composition disc valves, No. 620 with hexes or No. 620A—male thread (1½" size—3½"; 2" size—4") will give unsurpassed service.

The spring-loaded disc is impervious to gasoline and oil.

The brass seat ring is screwed into the heavy cast iron body before machining to prevent distortion. Body is protected against rust by zincolate. Cap is brass as are other inside trimmings, except disc.

	No. 620		No. 620A	
Sizes:	1½"	2"	1½"	2"
Wt.:	5¼ lbs.	9 lbs.	8¼ lbs.	11¾ lbs.

All-Brass, Single Poppet

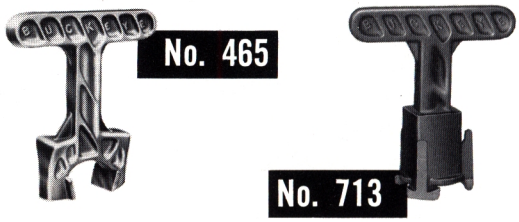
A special feature of this all-brass model is the sloped recess away from the rear of the valve to the outlet. Foreign particles, if any should enter the valve, drop away from the seat and are readily washed away.

Both sizes of this model may be equipped with springs if desired at only a slight extra cost.

The design and construction of No. 443 embodies years of experience in valve building. Service men expect, and get, the utmost in performance and long trouble-free service from this valve.

No. 443—1¼" Wt. 2¼ lbs.
1½" Wt. 3½ lbs.

Wrenches for Angle Check Valves



Wrench No. 465 is used for removing and replacing cap and inside assemblies of Double Poppet Angle Check Valves Nos. 464 and 464A, while Wrench No. 713 is used for the same purpose on Single Poppet Valves Nos. 706 and 706A. Either wrench will serve several service stations. Both wrenches are malleable iron.

No. 465-2—For Nos. 464 and 464A—1½" Wt. 1½ lbs.
No. 465-4—For Nos. 464 and 464A—2" Wt. 1½ lbs.
No. 713 —For Nos. 706 and 706A—1½" Wt. 2¾ lbs.

Buckeye SUCTION LINE ACCESSORIES

Suction Stub Strainers

A popular model for years for underground tanks on suction lines.

It has a galvanized wire screen held firmly in its brass body. Wrench lugs provide a quick and easy connection to suction line.

Light in weight, but rugged and sturdy.

No. 442—1 ½″	Wt. ½ lb.
2″	Wt. ¾ lb.

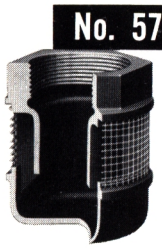
No. 724 Suction Stub Strainer is of a design similar to the cage screen on Brass Foot Valves, Nos. 438 and 439. The heavy galvanized wire screen is strong and long lasting.

A heavy hex at the top makes installation quick and easy.

No. 577 Brass Strainer is similar to the cage screen of Nos. 638 and 639 Foot Valves.

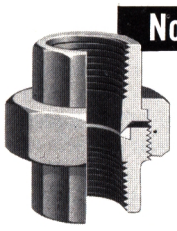
It has a built-up section and interior baffle plate which cause liquid to be drawn into it from above instead of from the bottom or sides.

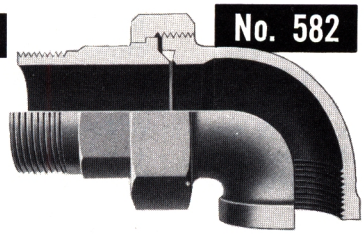
The screen is of sturdy galvanized wire and a heavy hex at the top provides easy installation.



No. 724—1 ½″	Wt. 1 ¼ lbs.
2″	Wt. 1 ¾ lbs.
3″	Wt. 2 ¾ lbs.
No. 577—1 ½″	Wt. 1 ½ lbs.
2″	Wt. 2 ½ lbs.

Union and Union Elbow





No. 633 is made of heavy galvanized malleable iron with brass seat especially ground for gasoline and oil.

The illustration shows its simple yet efficient design and construction, with clean, sharp, deep threads that help prevent stripping. It is listed as standard by Underwriters' Laboratories, Inc.

No. 582 is one of the most efficient Union Elbows in the field. Body and nipple are heavy malleable iron, galvanized to resist rust. The seat is specially ground for gasoline and oil service. Used with Buckeye Angle Check Valves. It is listed as standard by Underwriters' Laboratories, Inc.

No. 633—1 ½″ x 1 ½″	Wt. 2 lbs.
2″ x 2″	Wt. 3 ¼ lbs.
No. 582—1 ½″ x 1 ½″	Wt. 3 lbs.
2″ x 2″	Wt. 4 ¾ lbs.

Double Tapped Tank Bushings

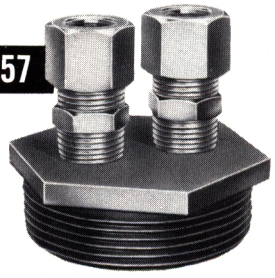
No. 441 Iron Bushings have regular standard taper pipe threads of full length, cut sharp and clean to eliminate thread stripping. Hexes of convenient size are provided to make installation quick and easy.

No. 686 is heavy cast brass Double Tapped Bushing with standard taper pipe threads. Made in one size only—2″ x 1½″ Wt. 1 lb.

Following are sizes of No. 441 Iron. For individual weights, please refer to Price List Supplement.

6″ x 4″	4″ x 1″	3″ x 1 ¼″	2″ x 1″
6″ x 3 ½″	3 ½″ x 3″	3″ x 1″	2″ x ¾″
6″ x 3″	3 ½″ x 2 ½″	3″ x ¾″	2″ x ½″
5″ x 4″	3 ½″ x 2″	2 ½″ x 2″	1 ½″ x 1 ¼″
5″ x 3″	3 ½″ x 1 ½″	2 ½″ x 1 ½″	1 ½″ x 1″
4″ x 3″	3 ½″ x 1 ¼″	2 ½″ x 1 ¼″	1 ½″ x ¾″
4″ x 2 ½″	3 ½″ x 1″	2 ½″ x 1″	1 ½″ x ½″
4″ x 2″	3 ½″ x ¾″	2 ½″ x ¾″	1 ¼″ x ⅜″
4″ x 1 ½″	3″ x 2″	2″ x 1 ½″ M.I.	1″ x ½″
4″ x 1 ¼″	3″ x 1 ½″	2″ x 1 ¼″	

Duplex Tank Bushing



No. 857 Duplex Tank Bushing is used extensively in fuel oil tanks for suction line connections. Tank thread 2″ I.P.T.

Can be furnished in following types:

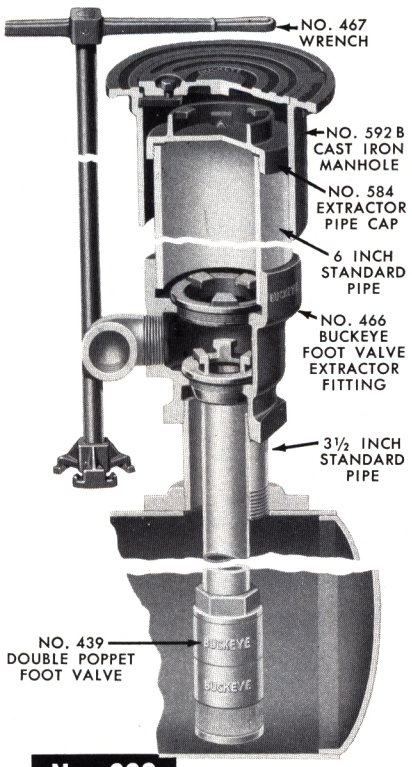
No. 857A-9-3	—With two ⅜″ fittings	Wt. 14 oz.
No. 857A-9-4	—With two ½″ fittings	Wt. 14 oz.
No. 857A-1	—With one ½″ fitting and one ⅜″ fitting	Wt. 14 oz.
No. 857-9-3	—With one ⅜″ fitting and one plug	Wt. 14 oz.
No. 857-9-4	—With one ½″ fitting and one plug	Wt. 14 oz.
No. 857	—Bushing only—two openings but no plugs	Wt. 12 oz.

Square Head Hollow Pipe Plug

This is a sturdy Cast Iron Pipe Plug with clean-cut threads and heavy "square" for installation. Made in following sizes:

No. 4084—1 ½″	Wt. ½ lb.	3″	Wt. 1 ¾ lbs.
2″	Wt. ¾ lb.	3 ½″	Wt. 2 ½ lbs.
2 ½″	Wt. 1 ¼ lbs.	4″	Wt. 3 ½ lbs.

Buckeye FOOT VALVE EXTRACTOR INSTALLATIONS


NO. 467 WRENCH
NO. 592B CAST IRON MANHOLE
NO. 584 EXTRACTOR PIPE CAP
6 INCH STANDARD PIPE
NO. 466 BUCKEYE FOOT VALVE EXTRACTOR FITTING
3½ INCH STANDARD PIPE
NO. 439 DOUBLE POPPET FOOT VALVE
BUCKEYE
BUCKEYE

No. 660

There is little service interruption with this Foot Valve Extractor Installation in use.

By using the No. 467 Wrench, the suction pipe and foot valve are brought to the surface in a jiffy.

This Installation uses the No. 592B Manhole, although other manholes may be used (See Page 25). Pipe nipples need not be cut to exact length. Important is the fact that there is no strain on the pipe connections if the tank should settle.

To order, specify No. 660 Complete; state size—1½" or 2"; Wt. 48¼ lbs.

Complete Installation includes:

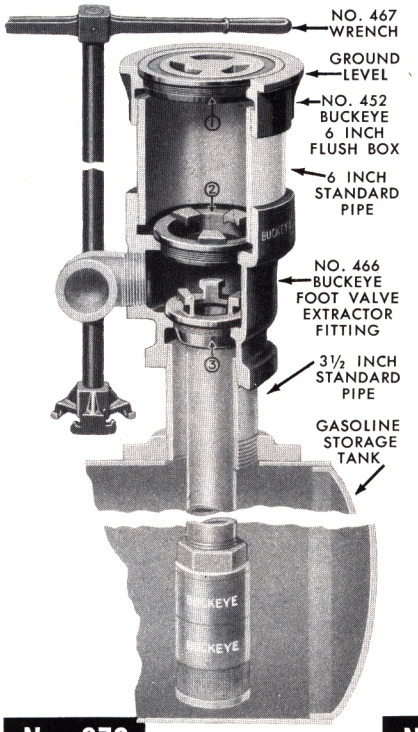
No. 592B—7½" x 7"	**Wt. 21½ lbs.**
No. 584I—6" Iron	**Wt. 4¾ lbs.**
No. 466 —1½" or 2"	**Wt. 22 lbs.**

Does not include pipe nipples or wrench.

Order separately:

No. 467—1½"or 2" Wrench Wt. 9¼ lbs.
Foot Valve, either Single or Double Poppet

No. 584—6" Brass Pipe Cap can be furnished instead of iron pipe cap if desired. Wt. 5¼ lbs.



No. 670

When Buckeye pioneered Foot Valve Extractor Installations, expensive digging to replace foot valves came to an end. No. 670 Flush Box Type is the first unit of this nature to be offered the oil industry many years ago.

This model is another of Buckeye's Foot Valve Extractor Installations which has become standard equipment, especially where tanks are buried under concrete drives.

Suction Stub and Foot Valve are connected to bushing and all three lift out together. Threads have pilots to prevent stripping.

To order, specify No. 670 Complete; state size—1½" or 2"; Wt. 35¾ lbs.

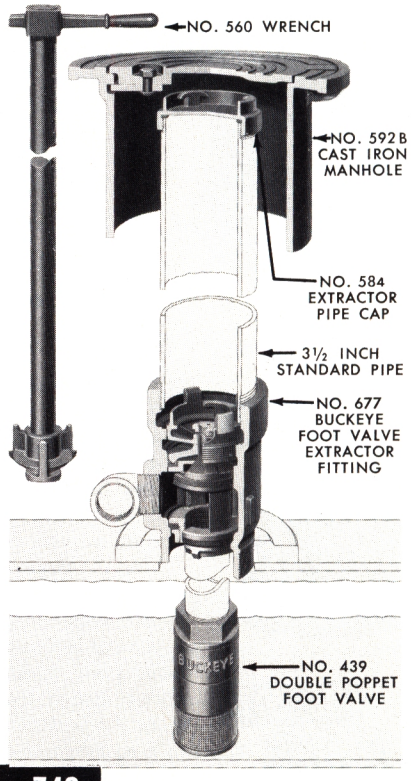
Complete Installation includes:

No. 452—6"	**Wt. 13¾ lbs.**
No. 466—1½" or 2"	**Wt. 22 lbs.**

Does not include pipe nipples or wrench.

Order separately:

No. 467—1½"or 2" Wrench Wt. 9¼ lbs.
Foot Valve, either Single or Double Poppet


NO. 560 WRENCH
NO. 592B CAST IRON MANHOLE
NO. 584 EXTRACTOR PIPE CAP
3½ INCH STANDARD PIPE
NO. 677 BUCKEYE FOOT VALVE EXTRACTOR FITTING
NO. 439 DOUBLE POPPET FOOT VALVE
BUCKEYE

No. 740

This model differs from other Buckeye extractors by using a composition crimp which seals against the side wall of the cast iron body, together with a sealing disc, instead of usual gaskets.

After lifting manhole lid and removing pipe cap, the extractor cap, swivel cage, suction stub and foot valve are easily brought to the surface as a unit.

To order, specify No. 740 Complete (1½" size only). Wt. 40 lbs.

Complete Installation includes:

No. 592B—7½" x 7"	**Wt. 21½ lbs.**
No. 584 —3½"	**Wt. 1¼ lbs.**
No. 677 —1½"	**Wt. 17¼ lbs.**

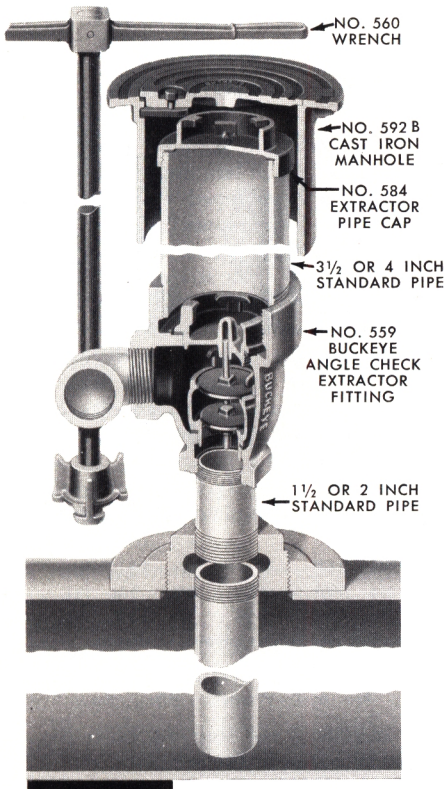
Does not include pipe nipples or wrench.

No. 740C is similar to above except No. 584B—4" Cast Brass Cap is used, 4" standard pipe and No. 677C has 4" I.P.T. Top Female Thread. Same price as No. 740.

For either installation, order separately:

No. 560—1½" Wrench Wt. 7½ lbs.
Foot Valve, either Single or Double Poppet

Buckeye ANGLE CHECK EXTRACTOR INSTALLATIONS


NO. 560 WRENCH
NO. 592 B CAST IRON MANHOLE
NO. 584 EXTRACTOR PIPE CAP
3½ OR 4 INCH STANDARD PIPE
NO. 559 BUCKEYE ANGLE CHECK EXTRACTOR FITTING
1½ OR 2 INCH STANDARD PIPE

No. 680

For those who prefer or have in service an Angle Check Valve, Buckeye No. 680 provides a most dependable Extractor Installation.

Two sizes, 1½" and 2", are available. Both have No. 559 Fitting, using a short nipple between the body female thread and tank bushing. Both have double poppets with flat seats and discs. No. 560 Wrench removes both pipe cap and brass cap of the fitting and lifts the inside assembly to the surface.

To order, specify No. 680 Complete and state size.

Wts. 1½"—35½ lbs. 2"—39¾ lbs.

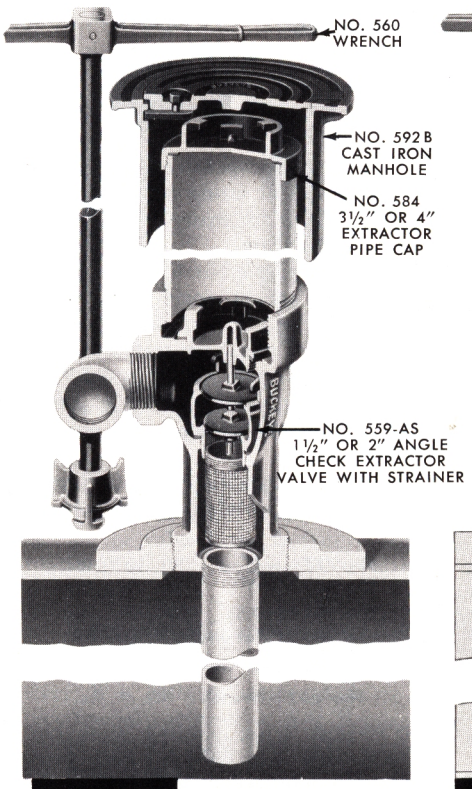
Complete Installation includes:

1½"	
No. 592B—7½" x 7	**Wt. 21½ lbs.**
No. 584 —3½"	**Wt. 1¼ lbs.**
No. 559 —1½"	**Wt. 12¾ lbs.**
2"	
No. 592B—7½" x 7"	**Wt. 21½ lbs.**
No. 584 —4"	**Wt. 2 lbs.**
No. 559 —2"	**Wt. 16¼ lbs.**

Does not include pipe nipples or wrench.

Order separately:

No. 560—1½" or 2" Wrench Wt. 7½ lbs.


NO. 560 WRENCH
NO. 592B CAST IRON MANHOLE
NO. 584 3½" OR 4" EXTRACTOR PIPE CAP
NO. 559-AS 1½" OR 2" ANGLE CHECK EXTRACTOR VALVE WITH STRAINER

No. 825

There are several features of the No. 825 Installation, among them being:

Use of Manhole and Brass Extractor Pipe Cap, which makes it unnecessary to cut extractor pipe exact length and allows for tank settling.

Male thread on valve body permits threading right into the tank flange, making unnecessary extra nipple and bushing.

Strainer on bottom of valve assembly which keeps out dirt.

To order, specify No. 825 Complete and state size.

Wts. 1½"—40¾ lbs. 2"—45¼ lbs.

Complete Installation includes:

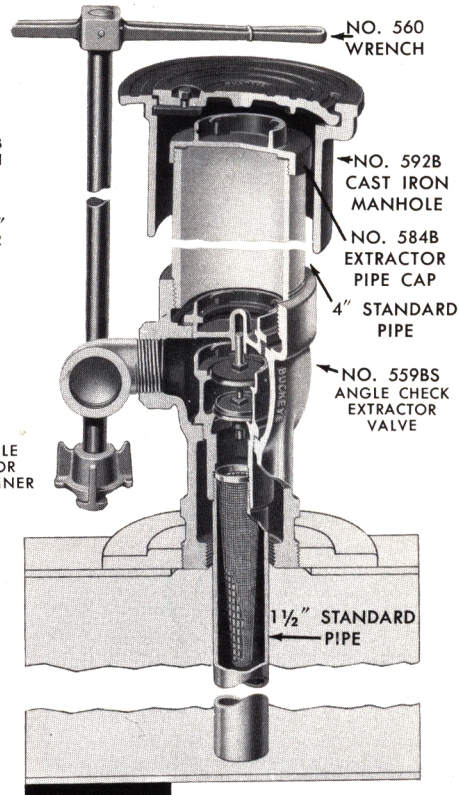
1½"	
No. 592B —7½" x 7"	**Wt. 21½ lbs.**
No. 584 —3½"	**Wt. 1¼ lbs.**
No. 559AS—1½"	**Wt. 18 lbs.**
2"	
No. 592B —7½" x 7"	**Wt. 21½ lbs.**
No. 584 —4"	**Wt. 2 lbs.**
No. 559AS—2"	**Wt. 21¾ lbs.**

Does not include pipe nipples or wrench.

Order separately:

No. 560—1½" or 2" Wrench Wt. 7½ lbs.

Specify No.559A if strainer is not wanted.


NO. 560 WRENCH
NO. 592B CAST IRON MANHOLE
NO. 584B EXTRACTOR PIPE CAP
4" STANDARD PIPE
NO. 559BS ANGLE CHECK EXTRACTOR VALVE
1½" STANDARD PIPE

No. 853

Something new has been added to Angle Check Extractors in the development of No. 853.

The double poppet valve and the entire suction stub is removed without disturbing pipe connections or breaking into concrete drive.

This installation can be furnished with or without 20-mesh strainer. (Please specify.) Another feature of this unit (No. 559B) is that it can be furnished with male thread to screw directly in tank opening—either 3½" or 4" size. (Please specify which thread.)

The outlet thread is 2" I.P.T. while the suction stub is 1½"

Complete Installation includes:

No. 592B —7½" x 7"	**Wt. 21½ lbs.**
No. 584B —4"	**Wt. 2 lbs.**
No. 559BS—2" x 3½"	**Wt. 19¾ lbs.**
OR	
No. 559BS—2" x 4"	**Wt. 21 lbs.**

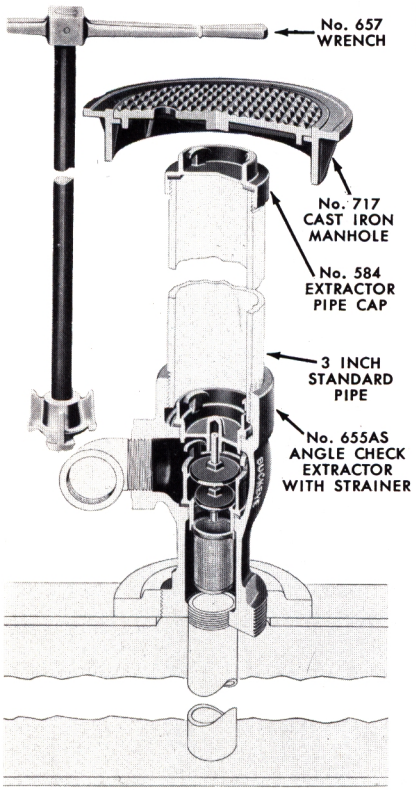
Does not include pipe nipples or wrench.

Order separately:

No. 560—1½" Wrench Wt. 7½ lbs.

This inside assembly, strainer and suction stub can be installed in any No. 559—2" (See No. 680 at left) if desired. Units are interchangeable.

Buckeye ANGLE CHECK EXTRACTOR INSTALLATIONS


No. 657 WRENCH
No. 717 CAST IRON MANHOLE
No. 584 EXTRACTOR PIPE CAP
3 INCH STANDARD PIPE
No. 655AS ANGLE CHECK EXTRACTOR WITH STRAINER

No. 700AS

With No. 655AS Metal-To-Metal

This is an inexpensive angle check valve extractor fitting which has been the standard for many oil companies for several years.

It employs the No. 655AS which is a double poppet angle check valve equipped with a 20-mesh strainer. It has metal-to-metal, flat seats and discs.

The top female thread is 3″ I.P.T.; the bottom male thread is 3½″ I.P.T. and this can be screwed right into the tank opening.

To order, specify No. 700AS with No. 655AS Complete, which consists of:

No. 717	—8″	Wt. 12½ lbs.
No. 584	—3″	Wt. 1¼ lbs.
No. 655AS—	1½″	Wt. 14 lbs.

Does not include pipe nipples or wrench.

Order separately:

No. 657—Wrench Wt. 7 lbs.

If strainer is not required, order No. 700A with No. 655A1. Check Price List for difference in price.

With No. 656AS Composition Disc

This installation is quite similar to that described at left, except the inside assembly is equipped with a single spring-loaded composition disc which is impervious to gasoline and oil. It too has a 20-mesh strainer.

The No. 717 -8″ Cast Iron Manhole is used along with No. 584 -3″ Brass Cap, so if the tank settles, there will be no strain on pipe connections or concrete drive. Other manholes can be used if desired. (See Page 25, or Box, Page 37.)

To order, specify No. 700AS with No. 656AS Complete, which consists of:

No. 717	—8″	Wt. 12½ lbs.
No. 584	—3″	Wt. 1¼ lbs.
No. 656AS—	1½″	Wt. 13¾ lbs.

Does not include pipe nipples or wrench.

Order separately:

No. 657—Wrench Wt. 7 lbs.

If strainer is not required, order No. 700AS but with No. 656A.

Extractor Valve Inside Assemblies

No. 559
or
No. 559A

No. 656A

Should the Inside Assembly need repair or replacement, it can be brought to the surface quickly.

No. 559 and No. 559A are double-disc assemblies, metal-to-metal. No. 656A is a single poppet, composition disc assembly. Order as follows:

Inside Assemblies for:

No. 559 or No. 559A—	1½″	Wt. 1¾ lbs.
	2″	Wt. 2 lbs.
No. 656A—	1½″	Wt. ¾ lb.
No. 655A—	1½″	Wt. 1 lb.

No. 559AS

No. 655AS

These two Assemblies are equipped with strainers and are used only with male thread extractor units. Both Assemblies are double poppet, metal-to-metal discs and seats. No. 656AS is the same as No. 656A except it is equipped with strainer.

Inside Assemblies for:

No. 559AS—	1½″	Wt. 2¼ lbs.
	2″	Wt. 3 lbs.
No. 655AS—	1½″	Wt. 1¼ lbs.
No. 656AS—	1½″	Wt. 1 lb.

Angle Check Valve Multiple Inlet

No. 4102

For connecting two or more underground tanks to one pump, No. 4102 (less strainer) and No. 4102A (with strainer) have been developed.

When used on two tanks, two inlets are used, third inlet plugged by pipe plug furnished.

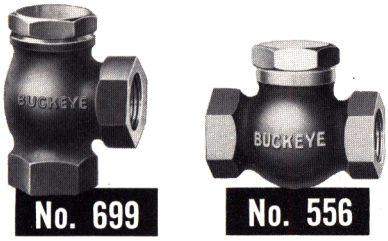
Extractor type valve, permitting inside assembly same as No. 655A or No. 655AS to be brought to the surface quickly.

Made in 1½″ size only.

No. 4102	—1½″	Wt. 15 lbs.
No. 4102A—	1½″	Wt. 15¼ lbs.

Buckeye AIR COMPRESSOR VALVES

Air Check Valves



(Angle) (Globe)

In order to give complete service on an air compressor, air check valves have to be designed and made with exacting care. Close limits have to be maintained on the inside parts so as to prevent undue wear.

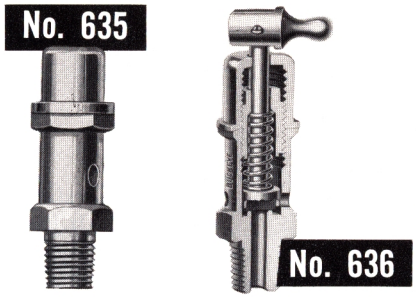
A spring in the plunger returns the special composition disc to the seat when compressor is not running. A special cork disc is assembled into the cap to prevent brass plunger from striking brass cap.

The inside assemblies are easily removed, should occasion for repair arise.

Both valves are brass throughout except the composition disc.

No. 556	— ¼″	Wt. ½ lb.
or	⅜″	Wt. ½ lb.
No. 699	½″	Wt. 1 lb.
No. 556 Only—	¾″	Wt. 1½ lbs.
	1″	Wt. 2¼ lbs.

Air Safety Valves



No. 636 Air Safety Valve is equipped with a lever for lifting the disc off the seat. Brass construction with composition disc.

Design conforms to A.S.M.E. specifications. In addition, stamped on the side of the valve is the symbol of the National Board of Boiler and Pressure Inspectors.

No. 636—¼″ Wt. 4 oz.

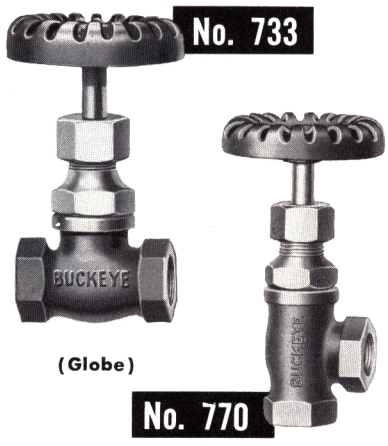
No. 635 is a Safety Valve without a lever. It is all-brass construction, except special composition disc. Bronze spring for ordinary pressures, steel for high pressure.

No. 635—¼″ Wt. 3 oz.

IMPORTANT: Both these valves are designed for pressures from 25 lbs. minimum to 250 lbs. maximum. Be sure to specify pressures.

See Price List for Chromium Plating.

Air Needle Valves



(Globe) (Angle)

With the exception of the handwheel, these valves are all-brass throughout. Each valve has an extra large packing recess, a feature so important in a Needle Valve. Fine threads on the stem assure delicate adjustment, while the long bearing on the stem against the seat prevents enlargement of the seat opening.

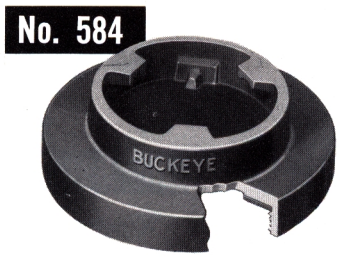
No. 733—	¼″	Wt. ½ lb.
	⅜″	Wt. ¾ lb.
	½″	Wt. 1 lb.
No. 770—	¼″	Wt. ½ lb.
	⅜″	Wt. ¾ lb.
	½″	Wt. 1 lb.

Extractor Installation Accessories

In order to meet all the needs of Buckeye Extractor Installations, it has been necessary to develop a variety of Extractor Pipe Caps.

All sizes are made in brass but No. 584I -6″ size can be furnished in iron.

No. 584—3″ is used with No. 700AS Angle Check Extractor Installation. No. 584—3½″ is used with No. 740—1½″, No. 680—1½″ and No. 825—1½″. No. 584—4″ is used with No. 680—2″ and No. 825—2″ No. 584B is used with No. 740C—1½″ and No. 853—2″. No. 584—6″ Brass or No. 584I—6″ Iron are used with No. 660 Foot Valve Extractor Installation.



No. 584B—4″ requires No. 560—1½″ Wrench; other 4″ size requires No. 560—2″ Wrench.

No. 584 —	3″	Wt. 1¼ lbs.
	3½″	Wt. 1¼ lbs.
	4″	Wt. 2 lbs.
	6″	Wt. 5¼ lbs.
No. 584B—	4″	Wt. 2 lbs.
No. 584I —	6″	Wt. 4¾ lbs.

CHOICE OF MANHOLES

On the preceding pages are described Buckeye standard Cast Iron Manholes to be used with the various Foot Valve and Angle Check Valve Extractor Installations.

However, if other manholes than those illustrated and described are desired, all that is necessary is to specify on your order which manhole (See Page 25) is wanted and it will be shipped with the installation instead of one shown.

For years, No. 583B and No. 659 have been used as Extractor Installation Manholes as well as No. 592B and No. 717 shown. Simply specify one you prefer.

Buckeye VENT VALVES AND VENTS

With Weighted Discs

This valve combines both vacuum and pressure relief for tanks up to 25,000 gallon capacity. It is designed for pressures from 2 oz. to 16 oz. Valve is furnished regularly with 2 oz. disc but by use of extra weights the pressure relief feature can be brought to 16 oz.

By positively holding pressure in the tank, evaporation is prevented and the savings soon pay for the installation of this valve.

The brass vacuum disc lifts at ¾ oz. p.s.i. It is oversize but light enough to instantly admit air to prevent formation of a vacuum when liquid is withdrawn from a storage tank.

Quick-acting lock cap on gauge opening provides absolute tightness and tanks can be gauged without disturbing either pressure or vacuum discs.

Screen, discs and weight are readily accessible. Body and cap are cast iron. All other parts are brass.

No. 722S—2″ (2 oz.) Wt. 14½ lbs.
3″ (2 oz.) Wt. 27¾ lbs.
Extra Weights, either size Wt. 2 oz.

Emergency Vent Valve

This 6″ Emergency Vent Valve meets all requirements of laws which demand an Emergency Pressure Relief Vent on storage tanks, in addition to the regular vent. This vent is constructed for pressure relief only. No provision is made for vacuum relief. Designed to meet regulations for storage tanks of 21,000 gallons or less.

The seat is bronze. Cast iron pressure poppet is bronze faced to resist corrosion and insure proper seating. The neat dome-shaped attractive cover is cast iron.

Furnished with or without flame arrestor due to the fact that some states requiring a vent of this nature do not specify a flame arrestor.

No. 824 —6″ Complete with Flame Arrestor Wt. 66 lbs.
No. 824A—6″ less Flame Arrestor Wt. 65½ lbs.
Flame Arrestor only for No. 824 Wt. ½ lb.

Inexpensive Vent Valve

This valve has been widely used for tank pressures under 4 oz. It has given superb performance over many years.

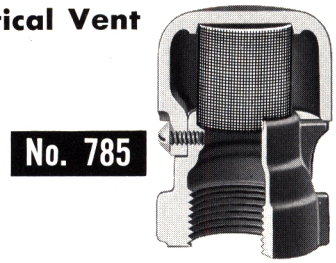
By using this valve, tank pressures are kept constant, thus reducing evaporation to a minimum.

The vacuum relief disc is made light enough so that it admits air instantly when liquid is being withdrawn. Brass disc lifts at 1½ oz. p.s.i.

The valve is made of brass throughout with a lock and tight sealing gauge lid equipped with fire screen.

No. 607—2″ Wt. 4¾ lbs.

Vertical Vent



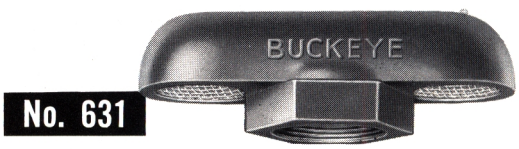
Designed for excess capacity at each of these points: (a) Intake area through which air reaches screen; (b) Free area of screen; and (c) Body area through which air passes to tank after going through the screen.

May be installed against flat walls or in corners. Cast iron body and cap. The vent is protected by a brass screen which can be readily removed for cleaning.

No. 785B is same as above except it is equipped with a set screw for attaching to the vent pipe in place of threads.

No. 785	**¾″**	**Wt. ½ lb.**	**No. 785**	**—2″**	**Wt. 2¾ lbs.**
or	**1″**	**Wt. ¾ lb.**	**or**	**3″**	**Wt. 5½ lbs.**
No. 785B	**1¼″**	**Wt. 1½ lbs.**	**No. 785B**	**4″**	**Wt. 9 lbs.**
	1½″	**Wt. 2 lbs.**			

"T" Vent



Widely used throughout the oil industry for venting underground storage tanks.

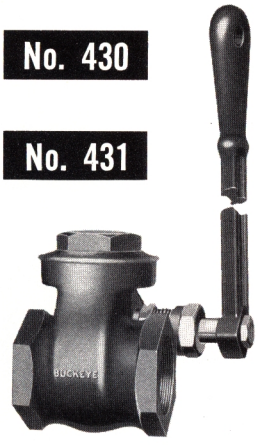
Each opening has a brass fire screen, further protected by a heavy galvanized hardware cloth.

The standard "T" Vent is cast iron.

No. 631B is same as above except it is equipped with a set screw for attaching to the vent pipe in place of threads.

No. 631	**— ¾″**	**Wt. 1 lb.**
or	**1″**	**Wt. 1 lb.**
No. 631B	**1¼″**	**Wt. 1¼ lbs.**
	1½″	**Wt. 2 lbs.**
	2″	**Wt. 2¼ lbs.**

Buckeye SWING GATE VALVES

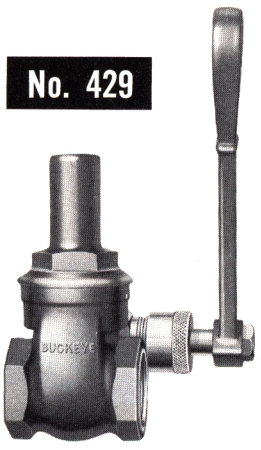


These valves are sure in quick cut-off and will stay on the job in repeated and hard usage. Adapted for fill and discharge lines of all kinds, using gasoline, oil or water. Typical are installations at bulk plants, pump stations, pipe lines; on hydraulic lifts and machinery; and for numerous industrial uses.

The sturdy but light brass body is constructed with a "V"-shaped seat with forged brass double wedge discs. These are connected with a ball-and-socket joint, bearing against the seat with equal pressure. This results in perfect seating and absolute tightness. Seats and discs are ground for handling gasoline and oil. The lever is malleable iron.

No. 430 is the standard type. No. 431 is the self-closing model. A strong steel spring is attached to the stem and lever for quick closing. Sizes range from 1½" to 3".

No. 430	No. 431		No. 430	No. 431	
½"	—	Wt. 1½ lbs.	1½"	1½"	Wt. 6 lbs.
¾"	—	Wt. 2¼ lbs.	2"	2"	Wt. 7¾ lbs.
1"	—	Wt. 3 lbs.	2½"	2½"	Wt. 15¼ lbs.
1¼"	—	Wt. 4¼ lbs.	3"	3"	Wt. 22 lbs.



The No. 429 is a Self-Closing Swing Gate Valve. In this model, a spring is enclosed in the top cap to provide quick and sure closing action as soon as the lever is released.

Many No. 429 Valves are used on hydraulic lifts. However, to take care of all demands for heavy-duty service, variations are made.

No. 429L, for example, is equipped with special locknut on the stem.

No. 429C, also used on hydraulic lifts, and other specialized uses where extra sturdy construction is needed, is equipped with a special locknut, gland, stuffing box, packing and side cap for heavy-duty service.

No. 429 —	½"	Wt. 1½ lbs.	No. 429L—1"		Wt. 3½ lbs.
	¾"	Wt. 2½ lbs.		1¼"	Wt. 4¾ lbs.
	1"	Wt. 3½ lbs.		1½"	Wt. 7 lbs.
	1¼"	Wt. 4¾ lbs.	No. 429C—1"		Wt. 3¾ lbs.
	1½"	Wt. 7 lbs.		1¼"	Wt. 5 lbs.
	2"	Wt. 8¾ lbs.		1½"	Wt. 6½ lbs.
	2½"	Wt. 16¾ lbs.			
	3"	Wt. 24 lbs.			

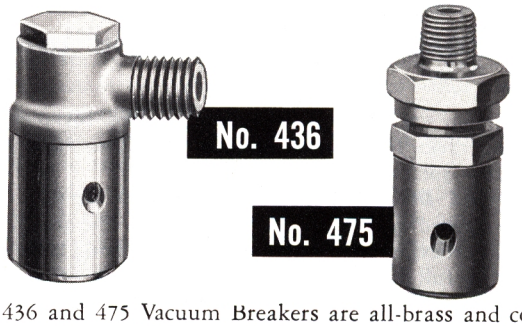
Vacuum Breakers

These Vacuum Breakers set new standards in speeding up the emptying of fuel lines by permitting a greater "intake" of air after valves are shut off.

No. 721 is the standard model used with Buckeye Loading Valves. It functions chiefly in venting the swing arms on loading racks or in other fuel lines to speed up flow by venting. After the loading valve is shut off, the Vacuum Breaker "lets in air" which allows the fill pipe to empty at once.

Constructed for long life, with brass body and cap and spring-loaded composition disc for tight sealing.

No. 721—	⅛"	Wt. 5 oz.
	¼"	Wt. 5 oz.
	⅜"	Wt. 1 lb.
	½"	Wt. 1 lb.



Nos. 436 and 475 Vacuum Breakers are all-brass and constructed with special bronze ball checks. These have been popular for many years on various types of fuel systems.

No. 436—⅛" Angle Wt. 2 oz. No. 475—⅛" Vertical Wt. 2 oz.

Hose Reel Elbow

Here is a special brass elbow designed to save space on hose reel installation.

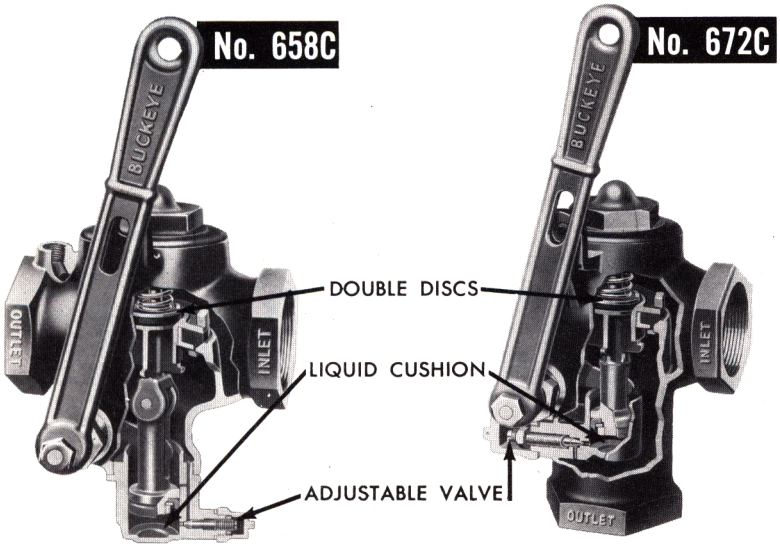
Due to its special design, it will give considerably more flow and yet actually save space when used in place of the standard type of elbow.

The female thread on the outlet end is 2" I.P.T. The female thread on the inlet end is 1½" I.P.T., while the male thread is 2" I.P.T.

No. 695—1½" x 2" x 2" Wt. 2¾ lbs.

Buckeye DEPENDABLE LOADING VALVES

For Pressure Lines



LINE LOADING VALVE **ANGLE LOADING VALVE**

These two valves have been the standard for many oil company loading racks for several years because they have such distinctive features—such as

DOUBLE DISC CONSTRUCTION—These double disc valves are easily opened against high line pressures. The small disc opens first, thereby relieving inlet pressure, thus permitting large disc to be lifted easily for full flow.

In addition, this feature gives full control of the valve, permitting "topping off" without jerk and slams. Discs are impervious to gasoline and oil.

SOFT-CLOSING—There are no shocks to the line system, pipe connections, pumps or meters, for the valves will not slam shut. Shocks are eliminated because liquid flows to the dash-pot the instant the valve opens, causing the valve to close softly against a liquid cushion. A special synthetic rubber crimp is used on the piston. On the "up" stroke it permits the right amount of liquid to enter the dash-pot. On the "down" stroke it serves as a tight seal providing the positive cushioning action.

ADJUSTABLE CLOSING—Valves are regulated by a separate, easily accessible adjusting screw. It can be screwed down for slower closing or backed for fast action. In addition, it can be changed for fuels of varying viscosity, either light or heavy. A seal cap covers the adjusting screw, making it tamper-proof.

In addition to the three main features found in each valve, they also have a sturdy spring which makes the valve self-closing. Either valve can be closed manually if so required.

Each valve is threaded to take Vacuum Breaker (No. 721—Page 39) so fill pipe can be instantly drained when valve is closed. The 2″ valve takes ¼″ size; 2½″, 3″ and 4″ require ½″ size.

Valves are practically all brass except composition disc, and main stem and roller shaft in No. 658C are of steel. No. 658C in 4″ size can be furnished in aluminum if desired.

No. 658C—	**2″**	**Wt. 11¼ lbs.**	**No. 672C—**	**2″**	**Wt. 11¼ lbs.**
	2½″	**Wt. 15½ lbs.**		**2½″**	**Wt. 16¼ lbs.**
	3″	**Wt. 23 lbs.**		**3″**	**Wt. 23¼ lbs.**
	4″	**Wt. 66½ lbs.**			

For Gravity Flow

Here is a valve designed for gravity flow, providing an unobstructed course. The oversized disc lifts entirely out of the line of flow, as illustrated by the sectional view of No. 688 Tank Truck Faucet (Page 45).

The disc is of special composition and easily replaced if necessary, while the valve remains in line. Remove top cap and disc from the holder.

Lugs on the body hold the lever open if desired. When lever is released, a strong enclosed spring immediately closes the valve. The lever may be locked when the valve is not in use.

No. 694B is the same valve except No. 689 Wrench is used in place of one shown in illustration above. This is generally used as a straight-through tank truck faucet.

No. 694 —	**2″**	**Brass**	**Wt. 11 lbs.**
	2½″	**Brass**	**Wt. 20¼ lbs.**
*****	**3″**	**Brass**	**Wt. 26¼ lbs.**
*****	**4″**	**Brass**	**Wt. 37 lbs.**
No. 694B—	**2″**	**Brass**	**Wt. 10¾ lbs.**
	2½″	**Brass**	**Wt. 18½ lbs.**
*****	**3″**	**Brass**	**Wt. 24 lbs.**
*****	**4″**	**Brass**	**Wt. 34¾ lbs.**

**** Can be furnished also in aluminum.***

Fusible Safety Lever

Lever No. 696F is designed especially for use with Loading Valves Nos. 658C and 672C where the hold-open feature is desired. A fusible metal at the assembly point makes this lever automatic in its special safety feature. In the event of fire, this metal will melt and the valve will close automatically and independently of the lever itself.

There is a small extra charge for Lever No. 696F, if ordered in place of standard as shown on the Buckeye Price List.

No. 696F—	**2″**	**Wt. 2½ lbs.**
	2½″	**Wt. 2¾ lbs.**
	3″	**Wt. 3 lbs.**

Buckeye STANDARD SWING JOINTS

All-Brass

The threaded glands on the Buckeye Brass Swing Joints keep an even pressure on the packing at all times. This is what makes the nipples swing freely without leaking. Thus, frequent tightening is unnecessary.

To prevent the glands from backing up, sturdy set screws are used to keep the glands "set."

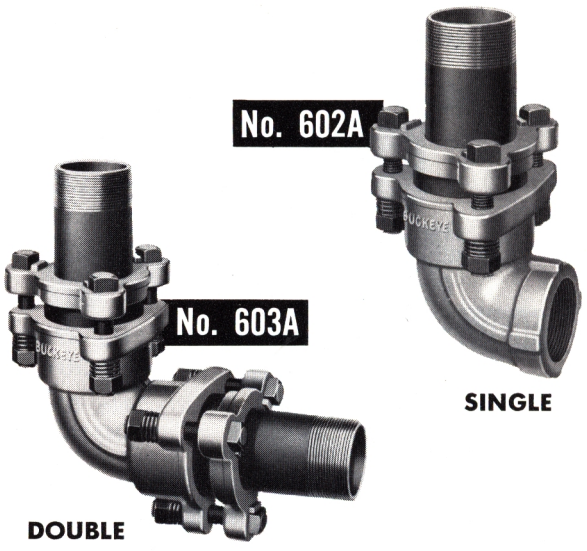
In order to keep down weight to minimum but still have sturdy and strong swing joints, the bodies are ribbed where most strain develops.

The nipples have clean-cut threads for easy assembly. A special packing ring separates the nipples from the body, cutting down on wear and making a free-swinging swing joint—an exclusive with Buckeye.

The packing space is large, and this, together with a special grade of packing, give these swing joints a quality that is lasting.

No. 600A—1 ½″	Single	Wt. 6¼ lbs.
2″	Single	Wt. 8 lbs.
2 ½″	Single	Wt. 10¼ lbs.
3″	Single	Wt. 14½ lbs.
No. 601A—2″	Double	Wt. 14 lbs.
2 ½″	Double	Wt. 17¾ lbs.
3″	Double	Wt. 23 lbs.

Malleable Iron



The exclusive features of these Buckeye swing joints are (1) body and glands are *malleable iron,* not cast iron; (2) three spring-loaded gland and body bolts which keep an even pressure on the packing at all times—thus making frequent tightening unnecessary.

The packing area is unsually large—and a special grade of packing is used.

The nipples are brass, have clean-cut threads for easy assembly. A special packing ring separates the nipple from the body, cutting down on wear and making this a free-swinging swing joint.

These swing joints are painted to prevent rust.

All of these features are built into these swing joints at no extra cost.

No. 602A—1 ¼″	Single	Wt. 6¼ lbs.
1 ½″	Single	Wt. 6¼ lbs.
2″	Single	Wt. 10½ lbs.
2 ½″	Single	Wt. 14¼ lbs.
3″	Single	Wt. 19½ lbs.
No. 603A—1 ¼″	Double	Wt. 9 lbs.
1 ½″	Double	Wt. 9 lbs.
2″	Double	Wt. 18¼ lbs.
2 ½″	Double	Wt. 25¼ lbs.
3″	Double	Wt. 33 lbs.

No. 629A—2″	Wt. 10½ lbs.
2 ½″	Wt. 13¾ lbs.
3″	Wt. 16 lbs.

Straight Swing Joint

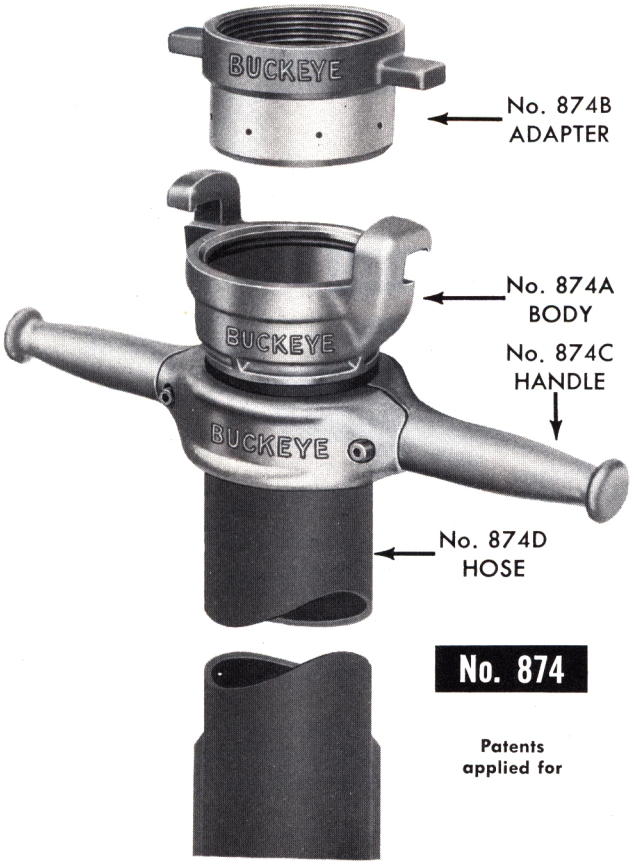
This malleable iron straight swing joint has built into it all of the features of the No. 602A Single, above. It has the malleable iron body and gland, also the spring-loaded bolts which keep an even pressure on the packing at all times.

The nipple is a sturdy brass casting with clean-cut threads for ease of installation. Special packing ring separates nipple from body which cuts down wear and makes a free-swinging swing joint.

Packing recess large, with special grade of packing used.

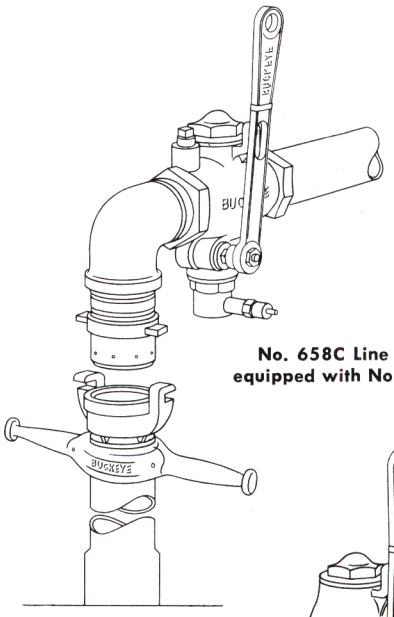
Painted to prevent rust.

Buckeye PresTite SAFETY DOWN SPOUT

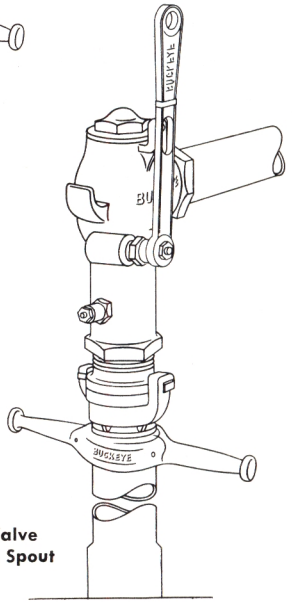


No. 874

Patents applied for



No. 658C Line Loading Valve equipped with No. 874 Down Spout



No. 672C Angle Loading Valve equipped with No. 874 Down Spout

All the features desired in a Loading Rack Down Spout have been engineered into the No. 874 PresTite Down Spout. Here are some of them:

1. Light and easy to operate. Body and handles are aluminum.

2. The unusual safety feature is achieved by the positive lock position of the body lugs over the heavy adapter lugs.

3. The use of an "O" Ring in the body makes the connection easy and liquid-tight. It makes the disconnect simple and fast. "O" Ring can be replaced with no tools other than point of knife.

4. The inside throat of the body is so streamlined that flow through the entire down spout meets little or no resistance.

5. The synthetic rubber hose, impervious to petroleum products, has a spiral wound static wire. No stray static currents can build up during flow at any volume or pressure. A solid rubber 4" bell gives additional protection to the bottom of the hose where the wear is hardest. Lightweight.

6. If the truck is not "spotted" in exact location, it need not be moved to be loaded because of the flexibility of the hose. If the truck should accidentally be driven away before drop tube assembly is disconnected, no harm will be done because Down Spout will stay in locked position and the hose simply be withdrawn from the tank opening.

7. Eight ingestor holes are drilled in the male sealing face of the adapter so that hose can be drained instantly.

8. The hose is firmly attached to the body hose shank by a strong band and the tight grip of the sturdy aluminum handles.

9. Permits undersurface loading of tank trucks.

Made in 2", 2½", 3" and 4" sizes. Standard lengths of hose from 3'6" to 6'. Longer lengths, especially in larger sizes, generally used for tank car loading, must be ordered specially. If lightweight metal drop tube is desired, please write for further information.

See Price List Supplement for weights, lengths of hose and other detail data on No. 874 and individual parts.

Buckeye FULL CAPACITY LINE STRAINERS

Top-Opening Type

Threaded-End Type

Progressive oil men today demand clean fuel without sacrificing pipe line capacity. Buckeye Line Strainers have long proved their ability to give this service with unsurpassed efficiency.

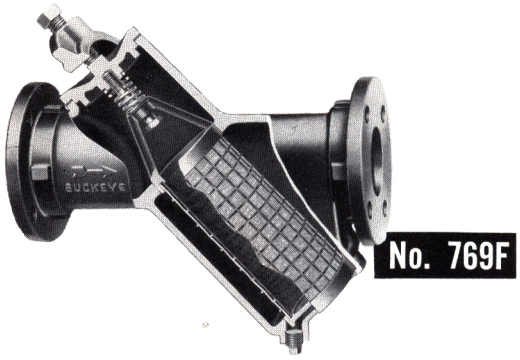
No. 769 Line Strainer has won great popularity because rate of flow through the pipe line is not retarded in the least due to the fact the free area of the screen is more than ample to handle the capacity of the pipe.

Body and cap are cast iron with malleable iron yoke. Painted to prevent rust. The cap, being on top, is easy to remove. The sturdy brass screen is reinforced with hardware cloth to prevent buckling and is easily removed for cleaning. It may be had in 20-, 40-, 60- and 80-mesh at the same price, although 40-mesh will be shipped unless otherwise specified. Finer mesh can be furnished at a slight extra charge.

See Price List Supplement for prices of screens only.

No. 769—2″	**Wt. 14½ lbs.**
2½″	**Wt. 19½ lbs.**
3″	**Wt. 28¾ lbs.**
4″	**Wt. 62¼ lbs.**

Flanged-End Type



The main features of this strainer are exactly the same as those found in No. 769 at left except the ends are heavy flanges instead of threaded.

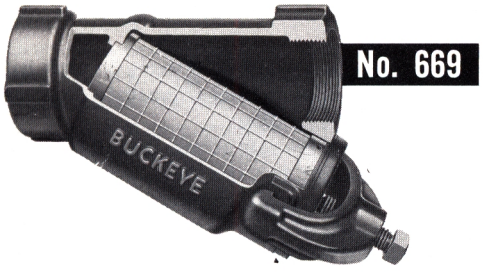
The body and cap are heavy cast iron while the yoke is malleable iron. The cap is easy to remove and with it the inside screen. Painted to prevent rust.

Screen is strong brass wire, reinforced by strong hardware cloth. Standard screens come in 20-, 40-, 60- and 80-mesh. The 40-mesh will be shipped unless otherwise specified. Coarser mesh can be furnished if ordered special; finer mesh, likewise, at slight extra cost. See Price List Supplement for prices on screens only.

No. 769F is made with standard flanges each end, bolt circle and drilling.

No. 769F—2″	**Wt. 23½ lbs.**
2½″	**Wt. 32¾ lbs.**
3″	**Wt. 46 lbs.**
4″	**Wt. 89 lbs.**

Bottom-Opening, Threaded-End Type



This bottom-opening, threaded-end line strainer is the first type developed by Buckeye and it is still the standard wherever this style is required.

The body and cap are heavy cast iron. The yoke is malleable iron. Painted to prevent rust.

The screen is strong brass wire reinforced by hardware cloth. It is easily removed for cleaning by unscrewing bolt in yoke and taking out the inner screen.

Standard screens come in 20-, 40-, 60- and 80-mesh—40-mesh will be shipped unless other mesh is specified. Coarser meshes can be supplied special. Finer meshes available at slightly higher prices than standard.

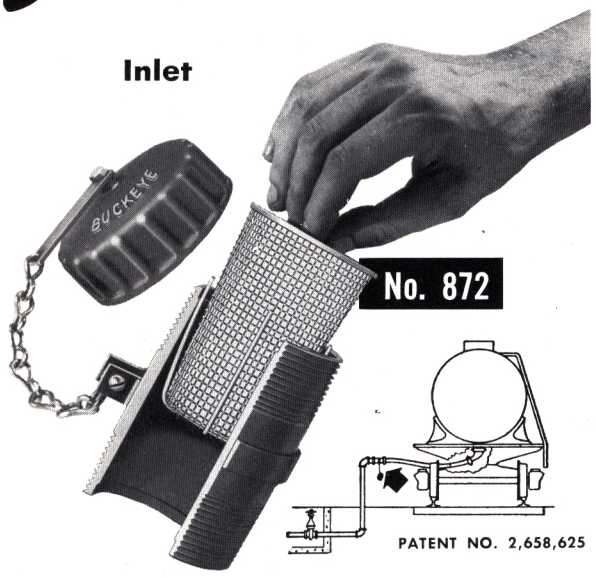
These screens do not retard the rate of flow through the strainer because the free area of the screen is more than ample to handle the capacity of the pipe.

See Price List Supplement for screen prices only.

No. 669—1½″	**Wt. 8½ lbs.**
2″	**Wt. 11½ lbs.**
2½″	**Wt. 15¼ lbs.**
3″	**Wt. 21¼ lbs.**

Buckeye NEW INLET AND OUTLET STRAINERS

Inlet



Designed for permanent installation at the inlet end of bulk plant fill pipes. Strainer cone is 8-mesh galvanized wire—won't restrict flow—catches rust scale, dirt, ice and foreign objects—prevents clogging in "hard-to-get-at" line strainer screens. Pulls out with finger tips for quick cleaning before each delivery—slips back in the same way. Strainer cap threads on and off the machined body by hand—has a gasket that seals tightly. No tools needed.

No. 872—	**2½″**	**Wt. 4½ lbs.**
	3″	**Wt. 6 lbs.**

Outlet

See Price List

Permanently attached to unloading pipes on tank trucks—keeps dirt, tank scale, ice and other harmful matter from entering storage tanks. Strainer cone is 8-mesh to permit full flow and can be cleaned quickly after each delivery. Machined strainer body is similar to the No. 872 Inlet Strainer.

Strainer cap threads on and off the body by hand—has a gasket which seals strainer tightly. Heavy chain attached to body and cap prevents latter being mislaid.

No. 872T—	**2½″**	**Wt. 5½ lbs.**
	3″	**Wt. 7 lbs.**

Tank Truck Strainers

Globe

Angle

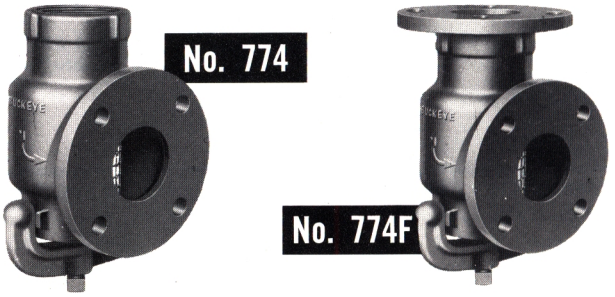
The demand for an all-brass tank truck strainer has been met by these two Buckeye units.

The No. 837 Globe or Line type should be used on a straight line installation. It has a drain plug in the bottom for draining off any sediment which may collect.

The No. 836 Angle type is designed with the inlet at the bottom which oftentimes eliminates the use of an elbow or an "ell."

Both strainers are made of brass—light, yet sturdy. Screen is 16-mesh brass wire, reinforced with hardware cloth to permit full capacity but at the same time maintain adequate screening efficiency. Strainer is installed before the pump.

No. 836—	**1½″**	**Wt. 5¾ lbs.**
	2″	**Wt. 7¼ lbs.**
No. 837—	**1½″**	**Wt. 7¾ lbs.**
	2″	**Wt. 9¼ lbs.**



These two strainers were used extensively on tank trucks in war service. Their design requires comparatively little space for the full capacity they offer.

Screening properties are sufficient to keep dirt and foreign particles out of the line but still free area is adequate to permit full flow. Screen mesh the same as those given for No. 769.

Body and cap are cast iron; yoke is malleable iron.

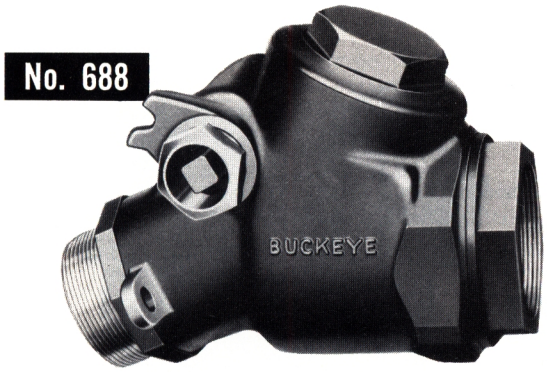
Body flanges and bolt circles are standard.

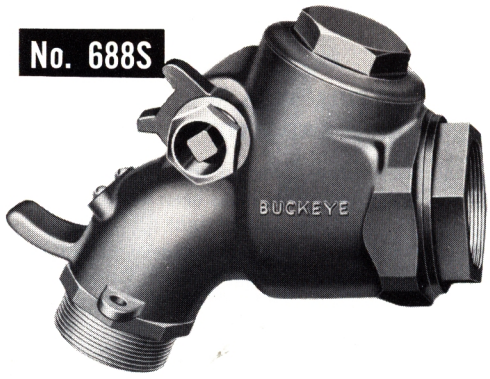
No. 774 has threaded inlet and standard flanged outlet.

For strainer screens only—See Price List Supplement.

No. 774 —	**2″**	**Wt. 11½ lbs.**	**No. 774F—**	**2″**	**Wt. 15 lbs.**
	2½″	**Wt. 16½ lbs.**		**2½″**	**Wt. 22 lbs.**
	3″	**Wt. 21½ lbs.**		**3″**	**Wt. 26 lbs.**

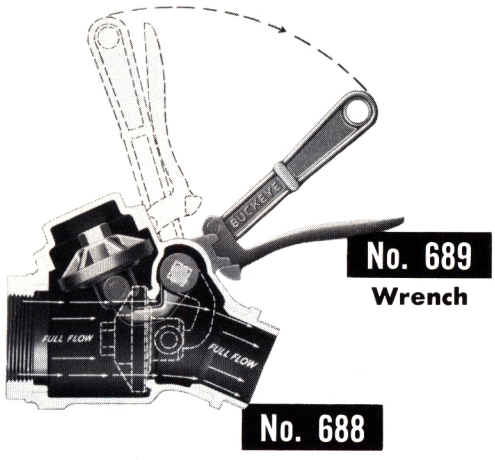
Buckeye TANK TRUCK FAUCETS





This streamlined faucet is exactly the same in general construction as the No. 688. The chief exceptions are that it is built with a 65° outlet and with bucketing hook cast integral with the body. It is available in 2″ size only. No. 605D Cap (see below) and No. 689 Wrench, shown at the left, are extra if wanted.

No. 688S—2″ less Cap, less Wrench Wt. 10¼ lbs.



Sectional View Showing Unrestricted Flow

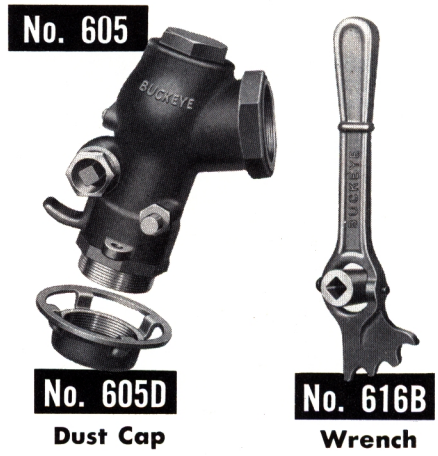
Buckeye originated and pioneered this full-flow, time-saving Tank Truck Faucet. Many tests over the years prove that this is the fastest faucet ever made. It shows such unusual speed in performance that it is often referred to as "the faucet that is faster."

The special composition disc lifts up entirely out of the line of flow, giving a "straight shoot" through the faucet without swirling, pocketing or churning. A ratchet on the body holds the lever at wide-open or partially-open positions. The faucet opens easily and closes instantly.

Its construction throughout is designed for the hard usage such faucets usually receive. The body is brass; wrench is malleable iron. A strong, stainless steel spring makes it self-closing and keeps the disc firmly on its seat. The opening stem and the stuffing box are on the outlet side of the faucet, eliminating any chance of leaking at that point. The outlet comes off at an angle of 22½°, making it easy to attach the hose. Standard No. 688 has the female inlet and male outlet. If so specified, however, male inlet and female outlet can be furnished at the same price.

No. 688—2″ less Cap, less Wrench Wt. 9½ lbs.
2½″ less Cap, less Wrench Wt. 18½ lbs.
*** 3″ less Cap, less Wrench Wt. 27¾ lbs.**

*** This size can be furnished in aluminum.**



This conventional type of Buckeye Tank Truck Faucet has gained wide popularity because of its long life and dependable operation. No. 605 is made of brass, light in weight but unusually strong. The outlet nipple is machined inside to provide a smooth flow of the liquid.

Its construction features include sturdy, but light brass body, steel stem, phosphor bronze spring and a special composition disc which can be easily replaced when necessary.

The stuffing box is on the outlet side of the faucet. The faucet can be held open in any one of three positions. The Right-Hand Type will be shipped unless No. 605L Left-Hand (at no extra cost) is desired and specified.

Wrench No. 616B and Dust Cap No. 605D can be furnished if requested, at a small extra cost.

No. 605 —1½″ less Cap, less Wrench Wt. 5½ lbs.
2″ less Cap, less Wrench Wt. 7¼ lbs.
No. 616B—Wrench Wt. 1¼ lbs.

Buckeye NEW PresTite QUICK COUPLINGS

FULL PIPE SIZE CAPACITY

A completely new application in the use of "O" Ring seal (patent applied for) has been applied to tank truck quick couplings and to tight fill connections, making the new Buckeye No. 873 series outstanding. This design permits full pipe size capacity —no restriction to flow. This tested and proved method of seal makes it possible to provide couplings that are positive against both vacuum and pressure, easily connected and disconnected.

No. 873A
Adapter

(assembled)

No. 873D
Coupler

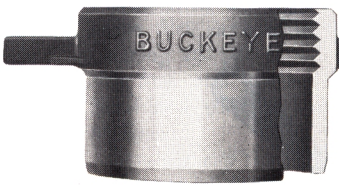
QUICK COUPLING ADAPTERS

Buckeye has developed two adapters which are permanently screwed into the tank truck faucet:

No. 873A Female Thread
No. 873F Male Thread

In addition, an adapter has been developed to be attached directly to uncoupled hose with clamps or bands; namely,

No. 873E Hose Shank (See illustration Page 47)



No. 873A
Adapter
Female Thread

No. 873B
Coupler
Male Thread

HOSE COUPLERS

Three different designs of hose couplers have been developed:

No. 873B Male Thread
No. 873D Female Thread
No. 873C Hose Shank (See illustration Page 47)

No. 873F
Adapter
Male Thread

No. 873D
Coupler
Female Thread

HOW TO USE

The operator simply slips coupler containing "O" Ring over faucet adapter, turning the swivel ring clockwise till coupler lugs slide over adapter lugs and spring-loaded latch pin automatically locks it in place. The connection is positive and sure. There is no chance for accidental disconnect or leak.

(Continued on Page 47)

Patent applied for

Buckeye NEW PresTite QUICK COUPLINGS

(Continued from Page 46)

Because of the swivel feature on the No. 873 Coupler, any twist in the hose, particularly in the larger sizes, is automatically removed without disconnecting the coupler. This feature is exclusive with Buckeye.

To remove the coupler, the latch pin is depressed by finger-tip pressure, swivel ring turned counter-clockwise and hose is promptly disconnected.

Adapter Hose Shank **Coupler Hose Shank**

SPECIFICATIONS

Both adapters and couplers are made of sturdy cast brass. One outstanding feature of No. 873 Couplings is that the seal is not at the end of the faucet adapter which is always subject to severe abuse, causing leaks even when gasket is used, but on the sides where chances of marring are small.

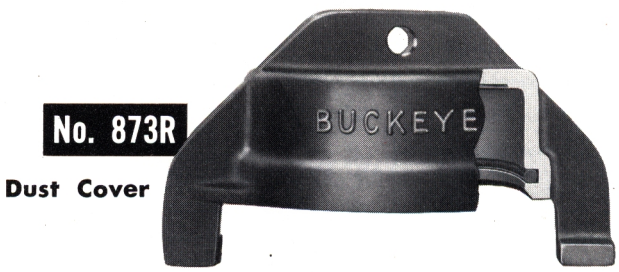
These couplings are capable of satisfactory operation in minus 40°F. to plus 160°F.

Made in 1½", 2", 2½", 3" and 4" sizes.

Dust Plug

COUPLING ACCESSORIES

No. 873G Dust Plug is used to protect the couplers while No. 873R Dust Cover is used on faucet adapters.



Dust Cover

HOW TO ORDER

Order one hose coupler (by number and size) for each hose on truck and one faucet adapter of style required for each faucet.

Individual weights in each size for both adapters and couplers in Supplemental Price List.

Patent applied for

No. 873 Quick Couplings Important Units in Buckeye Tight Fill System

The use of any combination of No. 873 Adapters and Couplers illustrated and described on these two pages, is the starting point of the PresTite Fill System.

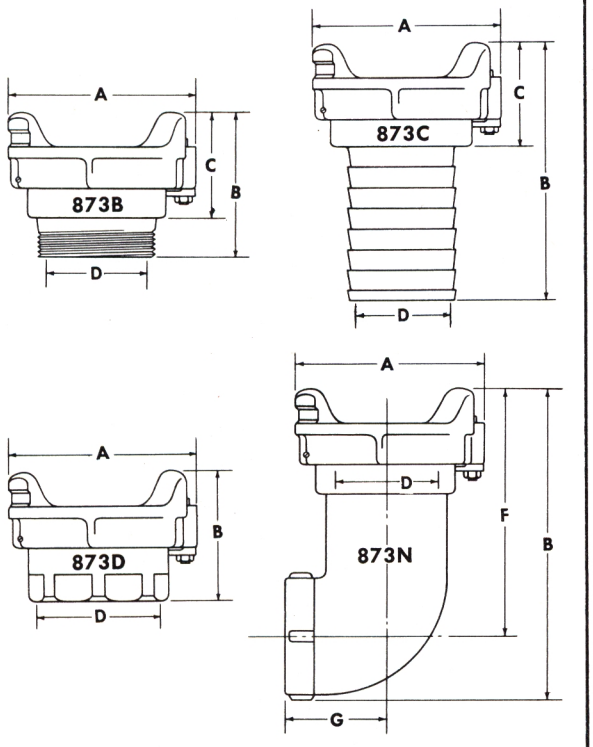
These couplings attached to the faucets make the ideal connection. They are made in various types and sizes to meet any requirement.

They can also be used with No. 873N — 3" Coupling Elbow of the Tight Fill System (See Page 26) if a coupling and swivel feature is desired at this point.

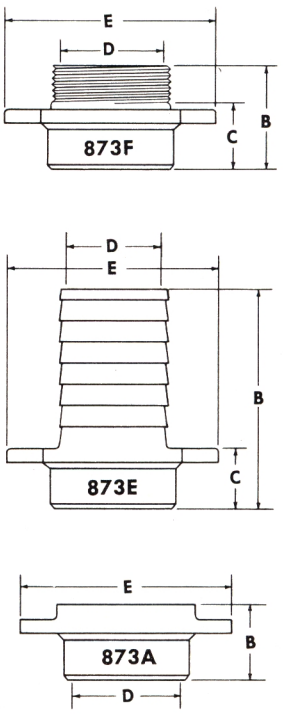
The unique use of "O" Ring seal makes these most dependable and long wearing couplings.

Buckeye PresTite QUICK COUPLING DIMENSIONS

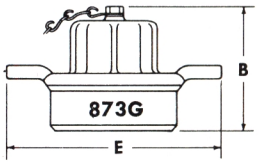
COUPLERS



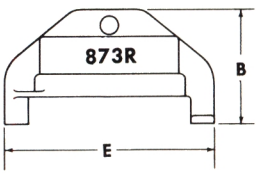
ADAPTERS



DUST PLUG



DUST COVER



IDENTIFICATION NO.	873A Female I.P.T.	873B	873C	873D
SIZE	1½" 2" 2½" 3" 4"	1½" 2" 2½" 3" 4"	1½" 2" 2½" 3" 4"	1½" 2" 2½" 3" 4"
A Max. O.D. of Couplers	– – – – –	4 1/8" 4 3/4" 5 1/4" 6" 6 7/8"	4 1/8" 4 3/4" 5 1/4" 6" 6 7/8"	4 1/8" 4 3/4" 5 1/4" 6" 6 7/8"
B Overall Length	2" 2 1/8" 2 1/4" 2 1/2" 2 7/8"	3 3/4" 3 3/4" 4" 4 3/8" 4 3/4"	4 7/8" 5 3/4" 6 5/8" 7 5/8" 9 3/8"	3 1/4" 3 3/8" 3 5/8" 3 3/4" 4 3/8"
C Exposed Length	– – – – –	2 7/8" 2 7/8" 3" 3 3/8" 3 5/8"	2 5/8" 2 3/4" 2 7/8" 3 1/8" 3 3/8"	– – – – –
D Min. I.D.	1 3/4" 2 1/4" 2 3/4" 3 1/4" 4 1/4"	1½" 2" 2½" 3" 4"	1 1/4" 1 3/4" 2 1/4" 2 3/4" 3 3/4"	1½" 2" 2½" 3" 4"
E Max. O.D. Across Adapter Lugs Dust Plug & Cover	4 1/2" 5 1/8" 5 5/8" 6 1/4" 7 1/4"	– – – – –	– – – – –	– – – – –

IDENTIFICATION NO.	873E	873F	873G	873N	873R
SIZE	1½" 2" 2½" 3" 4"	1½" 2" 2½" 3" 4"	1½" 2" 2½" 3" 4"	3"	1½" 2" 2½" 3" 4"
A Max. O.D. of Couplers	– – – – –	– – – – –	– – – – –	6"	– – – – –
B Overall Length	4" 4 3/4" 5 5/8" 6 1/2" 8 3/8"	3 3/8" 3 3/8" 3 5/8" 3 7/8" 4 1/2"	2 7/8" 3" 3 1/4" 3 3/8" 3 1/2"	11 3/8"	2 3/4" 2 7/8" 3 1/4" 3 1/2" 3 7/8"
C Exposed Length	1 3/4" 1 3/4" 1 7/8" 2" 2 3/8"	2 1/2" 2 5/8" 2 3/4" 2 7/8" 3 3/8"	– – – – –	–	– – – – –
D Min. I.D.	1 1/4" 1 3/4" 2 1/4" 2 3/4" 3 3/4"	1½" 2" 2½" 3" 4"	– – – – –	3 1/4"	– – – – –
E Max. O.D. Across Adapter Lugs Dust Plug & Cover	3 3/4" 4 3/8" 4 7/8" 5 5/8" 6 5/8"	3 3/4" 4 3/8" 4 7/8" 5 5/8" 6 5/8"	3 3/4" 4 3/8" 4 7/8" 5 5/8" 6 5/8"	–	4 1/2" 5 1/8" 5 5/8" 6 1/4" 7 1/4"
F Distance from CL of Elbow to Top of Ear on Coupler Ring	– – – – –	– – – – –	– – – – –	9 1/8"	– – – – –
G Distance from CL of Caupler Ring to Threaded End of Elbow	– – – – –	– – – – –	– – – – –	3 1/8"	– – – – –

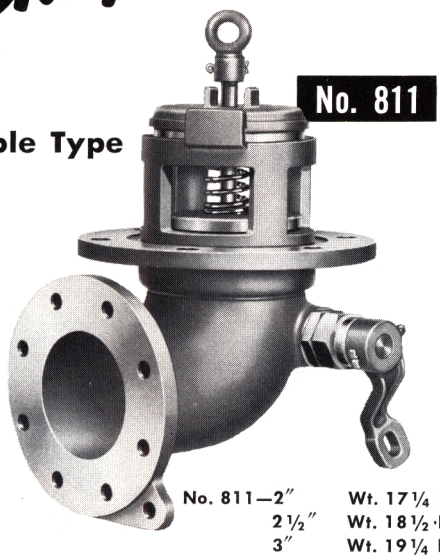
No. 873N Coupling Elbow is part of Buckeye PresTite Fill System — See Page 26.

Buckeye TANK TRUCK EMERGENCY VALVES

Extractable Type

No. 811

Patented No. 2,512,877



No. 811—2″ Wt. 17¼ lbs.
2½″ Wt. 18½ lbs.
3″ Wt. 19¼ lbs.

This Emergency Valve has so many unique features it is becoming the standard on a large number of tank truck installations. First, it is made oversize to assure full capacity. Second, the complete inner housing can be removed through the manhole or dome cover by slight turn of quick-acting cap.

In addition, all inner parts are the same on all three sizes as is the inlet or body flange. Outlet flanges come in 2″, 2½″ and 3″ sizes with dimensions in accord with the specifications of National Truck Tank & Trailer Institute.

Can be furnished with or without screen. Fracture point on elbow, below seat of valve. Can be operated by rod or cable, attached to lever at bottom or to loop at top of valve projecting into the compartment.

Made of brass or aluminum.

Standard Type

No. 755F

No. 755

No. 755 —2″ x 2½″ Wt. 7 lbs.
No. 755F—2″ x 2½″ Wt. 9¼ lbs.

These Full-Flow Emergency Valves are practically all-brass. The composition disc, phosphor bronze spring, malleable iron lever handle and steel lever stem are specially designed for long and hard use. While ordinarily these Emergency Valves with lever are for underneath use, the loop on the stem permits just as efficient overhead operation when desired.

The fracture point is below the seat of the valve.

No. 755 Emergency Valve is the threaded type. The female thread or outlet end is 2″. The male thread that screws into the tank spud is 2½″. Dimensions provide a full 2″ flow.

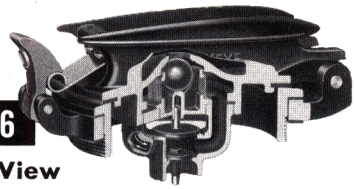
No. 755F Emergency Valve is the Flanged Connection Model of No. 755. Flanges have standard drilling for six ⅜″ bolts.

Both models made in brass only.

Tank Truck Dome Covers

No. 676

Patented No. 2,159,178



No. 676
Sectional View

This Self-Closing, Self-Locking Streamlined Vented Dome Cover makes any tank truck safer in operation and snappier in appearance.

The lid opens on a 91° angle with the hinge facing the cab. If the lid is left open, it immediately falls into position when the truck starts and automatically locks under the brass latch.

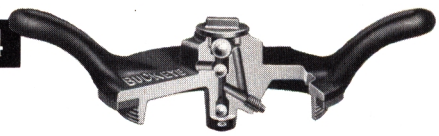
The spring tension holds the lid tightly under ordinary conditions but provision is made for pressure and vacuum relief under extreme tank pressure.

The built-in brass valve has pressure vent, vacuum relief and complete shut-off to operate if the tank should overturn.

Cast iron body is painted green; fire screen is brass; hinge, latch pins and springs are non-sparking, stainless steel.

No. 676—6″ Wt. 14¼ lbs.

No. 614

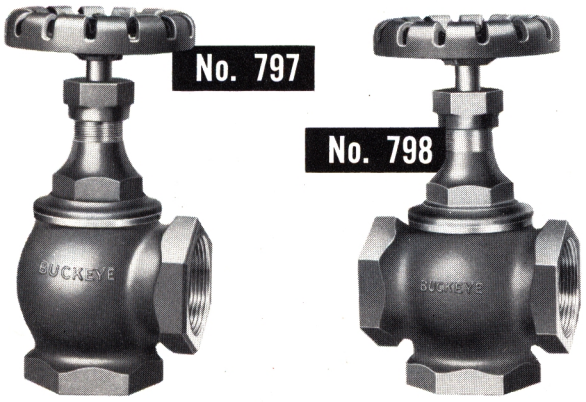


This practical Dome Cover is made with convenient handles for removing and replacing. Carefully machined into the cast iron cover are brass ball check features: Vacuum relief, pressure relief and a shut-off to prevent loss of liquid if the truck should overturn. A leather washer provides a tight seal.

No. 614—4″ Wt. 5 lbs. 6″ Wt. 6¾ lbs.

Buckeye TANK TRUCK VALVES

Threaded Type



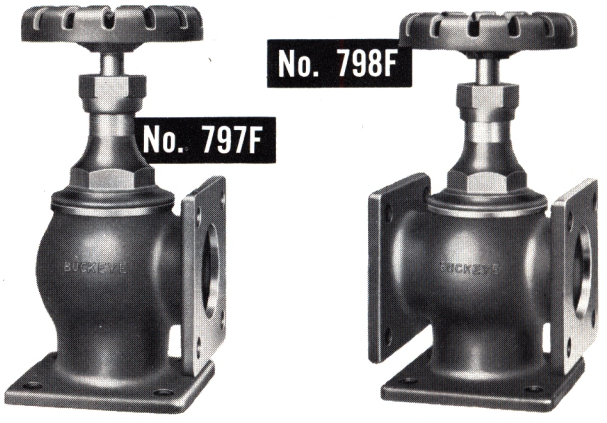
Angle Valve **Cross Valve**

With these valves in the various combinations, it is possible to empty all compartments at once through one outlet or separately, as desired.

They are all-brass, equipped with special composition disc impervious to gasoline and oil and can be replaced easily and quickly. Each has a swivel connection on the stem to assure even seating of the disc.

No. 797—1½″	Wt.	4¾ lbs.	No. 798—1½″	Wt.	5¼ lbs.
2″	Wt.	7¼ lbs.	2″	Wt.	7½ lbs.
2½″	Wt.	12¾ lbs.	2½″	Wt.	13¾ lbs.
3″	Wt.	17¾ lbs.	3″	Wt.	20¼ lbs.

Flanged Type



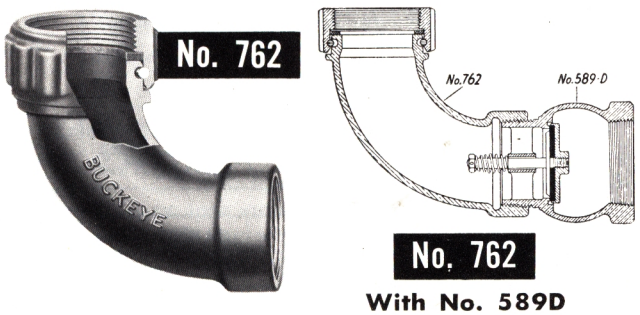
Angle Valve **Cross Valve**

These two valves are similar to the Nos. 797 and 798, to the left, in construction and use for tank truck unloading. They, too, are all-brass with the exception of the composition disc. The chief difference is the flanged outlet and inlet instead of the threaded-opening type.

See Buckeye Companion Flanges No. 729 and No. 729B used with the above flanged valves in tank truck installations (Page 56).

No. 797F—2″	Wt.	9½ lbs.	No. 798F—2″	Wt.	10¾ lbs.
2½″	Wt.	15½ lbs.	2½″	Wt.	18½ lbs.
3″	Wt.	18¼ lbs.	3″	Wt.	20½ lbs.

Coupling Elbow



This elbow has been especially designed for use in converting gasoline tank trucks into use for fuel oil.

The swivel end of No. 762 Elbow is connected to one of the faucets. A short length of hose is attached to the No. 589D Check Valve and connects with the piping from the pumping unit.

The Check Valve is used to keep the hose filled and prevent spillage when the elbow is moved from faucet to faucet. When the hose is not in use, the elbow is screwed to a plug on the truck body, thus being ready for re-use any time.

No. 762	—1½″	Elbow	Wt. 2¾ lbs.
	2″	Elbow	Wt. 3½ lbs.
No. 589D	—1½″	Check Valve	Wt. 1¾ lbs.
	2″	Check Valve	Wt. 2½ lbs.

Back Pressure Valve

Greater meter accuracy is obtained by the use of this Back Pressure Valve. It is often used on tank trucks as well as in stationary pump dispensing systems to maintain sufficient pressure for air elimination. The result is that liquid alone —no air—will register on the meter.

It is all-brass with a metal-to-metal seat and disc. A phosphor bronze spring of the proper tension provides and maintains a pressure of from 3 to 5 pounds per square inch. When ordering, specify No. 443X with spring.

No. 443X	—1¼″	Valve	Wt. 2¼ lbs.
	1½″	Valve	Wt. 3½ lbs.
	2″	Valve	Wt. 5 lbs.

Buckeye TANK TRUCK ACCESSORIES

Unloading Nozzles

PREVENT DANGEROUS SPARKING—These three Tank Truck Unloading Nozzles are made of brass, eliminating possibility of sparking when they are dropped into an iron fill box or fill cap.

NO. 570 UNLOADING NOZZLE—There are two types of this nozzle because of applications which require slight variations. It is 7½" long. Inlet end straight pipe thread, recessed for gasket. Made in following sizes:

No. 570	—1½"—1¾" O.D. x 1½" I.D.	Wt. 2¼ lbs.
	2" —1¾" O.D. x 1½" I.D.	Wt. 2¾ lbs.
No. 570A—2"	—2¼" O.D. x 2" I.D.	Wt. 3½ lbs.
	2½"—2¼" O.D. x 2" I.D.	Wt. 4 lbs.

No. 646 UNLOADING NOZZLE—It has a cast brass elbow and brass tubes. When a 2" hose is used and an 1½" O.D. tube is required, the No. 646A—2" x 1½" Adapter is used between elbow and tube. All tubes 9½" long, unless otherwise specified. For prices and weights on individual parts and special tube lengths, please see Price List Supplement.

No. 646	—1½" Unloading Nozzle with 1½" O.D. Tube	Wt. 2½ lbs.
	2" Unloading Nozzle with 1⅞" O.D. Tube	Wt. 3¾ lbs.
No. 646A-9—2"	Unloading Nozzle Complete with Adapter and 1½" O.D. Tube	Wt. 3¾ lbs.

NO. 662 UNLOADING NOZZLE—This elbow has been streamlined, making unloading faster. The outlet end is made with coarse threads which make removal and replacement of three separate adapters and tubes easy. Three heavy lugs protect threads. Elbow, cast brass, tubes, brass. All tubes 16" long including adapter unless otherwise specified. For prices and weights on individual parts and special tube lengths, please see Price List Supplement.

No. 662—2"	Unloading Nozzle Complete with Elbow, Adapter and 1⅝" O.D. Tube	Wt. 5¾ lbs.
	2" Unloading Nozzle Complete with Elbow, Adapter and 1⅞" O.D. Tube	Wt. 5½ lbs.
	2" Unloading Nozzle Complete with Elbow, Adapter and 2¼" O.D. Tube	Wt. 6 lbs.

Bucket Counter

Here is a simple and accurate device for the driver's use when delivery must be made by bucket. This Aluminum Bucket Counter can be easily installed in some convenient place in the bucket box. When the recording arm is placed in the desired tally position, spring tension keeps it there until it is moved to another point on the dial. Helps prevent costly errors.

No. 606 Wt. ½ lb.

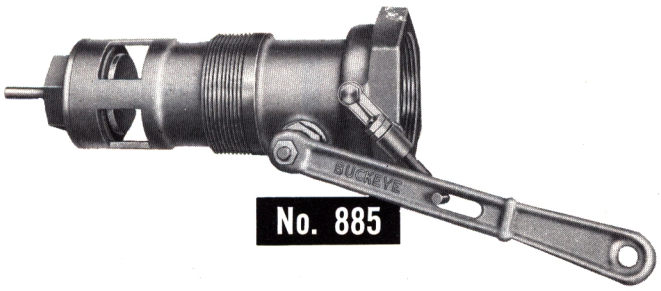
Pedestal Pump Strainer

This highly efficient strainer has been used for years and is standard on the pedestal pump installation of U. S. Army Engineers. It is used between the meter and Buckeye No. 568—1" Vertical Check and Relief Valve. It is ideal where small size, full capacity strainer is required. The cap is easily removed for cleaning the screen. Rugged brass construction throughout. Long and dependable service is assured.

No. 473—1" Wt. 4 lbs.

Buckeye BULK PLANT ACCESSORIES

Emergency Valve For Storage Tanks



To provide adequate capacity for pipe lines out of the storage tank and at the same time have an emergency valve for positive shut-off, Buckeye No. 885 was developed.

The male thread, which screws into tank flange, is 3″ I.P.T. for 2″, 2½″ and 3″ size. With the oversize thread on the first two sizes, and large ports in the inlet end of the valve, these valves cause no restriction to the flow in 2″ or 2½″. The 3″ x 3″ was designed for those who did not want to change the 3″ tank flange and 3″ pipe.

The standard 3″ size, however, has a 4″ I.P.T. male thread, so there is adequate capacity where the tank thread is 4″.

An adjustable fusible link bracket holds the valve open except in case of fire or broken pipe lines, when the valve closes automatically and instantly.

The complete seating mechanism is inside of the tank but is accessible from the outside. All brass except malleable iron lever. Spring is phosphor bronze.

No. 885—Male	Female	
3″	x 2″	Wt. 9¾ lbs.
3″	x 2½″	Wt. 10¾ lbs.
3″	x 3″	Wt. 11¾ lbs.
4″	x 3″	Wt. 18½ lbs.

Anti-Freeze Drain Valve

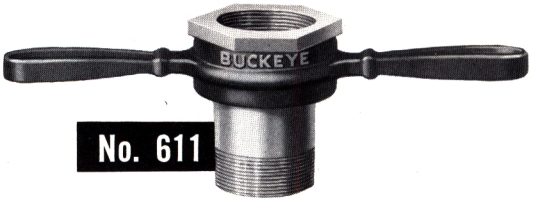
By draining off water which may accumulate in bulk storage tanks, invaluable anti-freeze protection is provided by this dependable Drain Valve.

It is made of brass throughout with a long tapered disc and seat for absolute tightness. As the disc opens downward, all sediment is thoroughly washed away and water cannot remain in the valve body to freeze.

This valve may be locked if desired.

No. 613—1″	Wt. 1½ lbs.
2″	Wt. 4¾ lbs.

Union Wrench Coupling

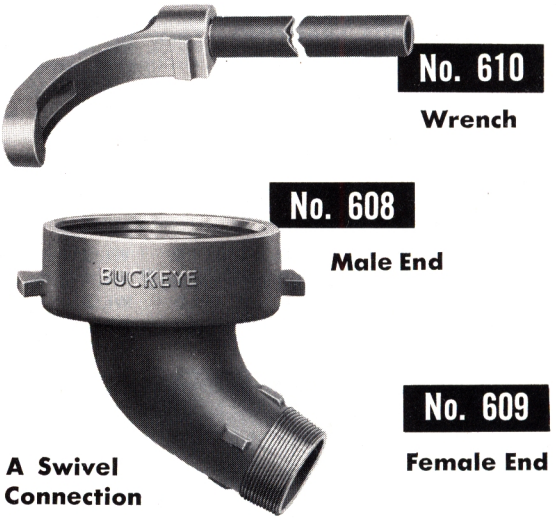


No. 611 is used where tank cars are unloaded by an overhead system.

The hexagon brass bushing is permanently attached to the overhead piping. The brass nipple screws into the suction pipe. Then, when the malleable iron handle is tightened, the bushing and swivel make a ground joint union connection—all done with so little time and effort!

No. 611—2″	Coupling	Wt. 4 lbs.
2½″	Coupling	Wt. 6¼ lbs.
3″	Coupling	Wt. 7¾ lbs.

Tank Car Elbows



This Tank Car Elbow furnishes unusual advantages in underneath unloading. It eliminates fire hazard.

The brass ring has clean-cut standard 5″ thread. Service ring has dove-tailed lugs.

No. 610 Wrench is designed to fit these lugs so that it cannot slip off while connection is being made.

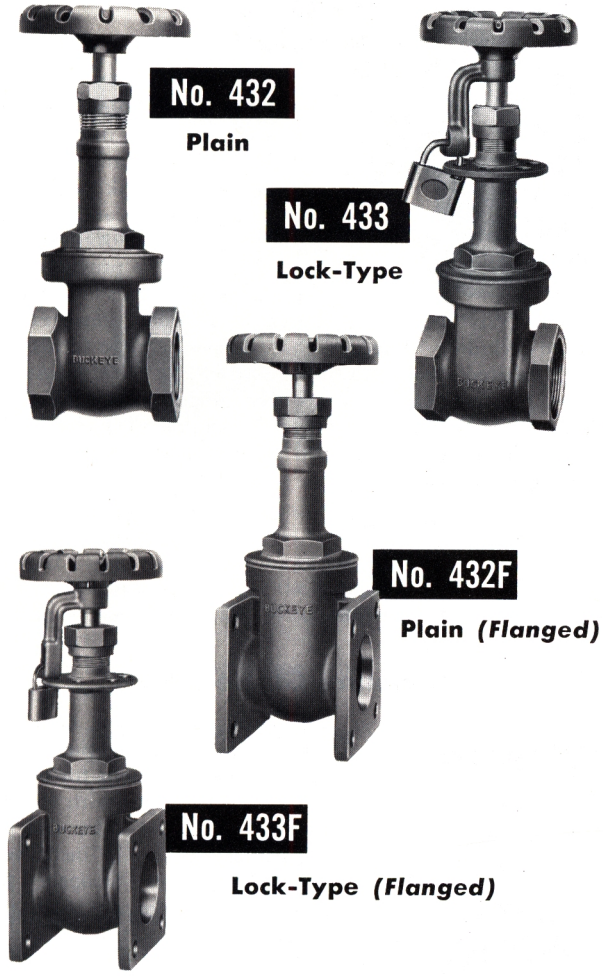
Wrench is regularly included with orders for Elbow.

Nos. 608 and 609 are identical except that 609 has the female hose end.

No. 608 Male	—5″ x 2″	Wt. 11¾ lbs.
	5″ x 2½″	Wt. 12½ lbs.
	5″ x 3″	Wt. 12¾ lbs.
	5″ x 4″	Wt. 15¼ lbs.
No. 609 Female	—5″ x 2″	Wt. 12½ lbs.
	5″ x 2½″	Wt. 13 lbs.
	5″ x 3″	Wt. 14 lbs.
No. 610 Wrench Only		Wt. 4 lbs.

Buckeye RISING STEM GATE VALVES

Standard Valves



The four types of Rising Stem Gate Valves shown here have been designed especially for gasoline and oil. Both seats and the solid wedge disc, designed for unusual strength, are finished on a special machine, making a tight valve that stays tight. The disc lifts entirely out of flow, providing full capacity.

All valves are made of high-grade brass except the handwheels. Valves are packed with gland approved by Underwriters' Laboratories for size and specification. All valves can be packed under pressure.

No. 432 is the standard threaded, non-lock type. Rugged and made to withstand hard usage.

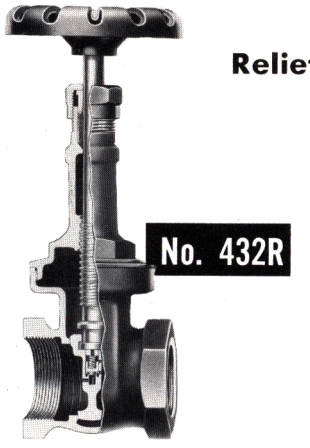
No. 433 is of similar design except it can be locked. Even though handwheel should be broken or removed, the malleable iron lock arm prevents the main stem being turned as long as the valve is locked.

No. 432F is a plain gate valve, built the same as No. 432 except it has flanged ends instead of threaded.

No. 433F is lock-type and flanged.

	No. 432	No. 433	No. 432F	No. 433F
1½″	Wt. 5½ lbs.	6¼ lbs.	—	—
2″	Wt. 8 lbs.	8½ lbs.	10 lbs.	10½ lbs.
2½″	Wt. 13¾ lbs.	14¼ lbs.	17½ lbs.	18 lbs.
3″	Wt. 17½ lbs.	18 lbs.	18¾ lbs.	22 lbs.

Relief Valves



To take care of unusual back pressures, Buckeye designed this Single-Wedge Disc Gate Valve with a relief valve built in.

This valve can be furnished in either Plain or Lock-Type, threaded or flanged. Suffix "B" indicates flanged valves.

All Gate Valves may be packed under pressure. A seat is provided in the cap, and the disc, machined integral with the stem, seals tightly against it when valve is open.

	No. 432R	No. 433R		No. 432B	No. 433B
2″	Wt. 8¼ lbs.	8¾ lbs.	2″	Wt. 10¼ lbs.	10¾ lbs.
2½″	Wt. 14 lbs.	14½ lbs.	2½″	Wt. 17¾ lbs.	18¼ lbs.
3″	Wt. 17¾ lbs.	18¼ lbs.	3″	Wt. 19 lbs.	22¼ lbs.

Non-Rising Stem Gate Valves

This model was especially designed for use where space is limited. When the handwheel is turned, the solid wedge-shaped disc rides up on the stem, giving a free and open passage through the valve. The over-all height of the valve, however, remains the same.

It is equipped with a double thread stem, providing fast opening and closing. With the exception of the handwheel, No. 709 (threaded) and No. 709F (flanged) are all brass. Can be packed under pressure.

	No. 709	No. 709F		No. 709	No. 709F
1½″	Wt. 5½ lbs.	—	2½″	Wt. 13¾ lbs.	17½ lbs.
2″	Wt. 8 lbs.	10 lbs.	3″	Wt. 17½ lbs.	18¾ lbs.

Buckeye SLUDGE PUMPS AND VALVES

These pumps were originally developed as "thief" pumps for removing sludge and water from underground storage tanks. However, their use has spread so that they are used on drums, barrels and tanks, handling gasoline, oil, kerosene, alcohol and water.

They are easy to hold and to operate. Approximately one pint is expelled with each stroke. As there are two spring-loaded check valves built into the pump, a foot valve is unnecessary and the pump can be used at any angle. Inlet and outlet openings are 1" I.P.T.

As illustrated, No. 714S has a stirrup handle; No. 714A has a lever handle; otherwise, they're identical.

No. 714S	Wt. 6¾ lbs.
No. 714A	Wt. 7½ lbs.

Buckeye Joint-Seal

No. 838

Buckeye Joint-Seal has been approved by Underwriters' Laboratories and is unsurpassed for use in service stations and bulk plants, on tank trucks and oil burner installations, or wherever a threaded connection is made. It completely seals against leakage of gasoline, oil and water.

This positive, flexible Joint-Seal has the consistency of thick paint and remains plastic. It won't crack or harden and is not affected by gasoline or oil. It has proved through the years that it is heat-proof, vibration-proof and cold-proof.

No. 838—¼ Pint Wt.	½ lb.	1 Pint Wt.	1¾ lbs.
½ Pint Wt.	1 lb.	1 Qt. Wt.	3½ lbs.

By-Pass Pressure Relief Valve

No. 471

This By-Pass Valve provides protection to fuel meters and pumps at bulk plants, service stations and on tank trucks.

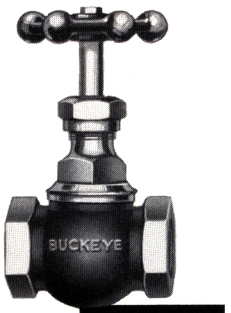
An important feature is its positive action in both opening and closing at the pressure setting to permit liquids to by-pass.

Relief Valve No. 471 is designed to handle pressures up to and including 50 lbs. (Higher pressures can be furnished when ordered special.) With the easily accessible adjusting screw, pressures can be set (within range) at any pressure desired. The pressure is set at 25 lbs. unless otherwise specified, with the setting stamped plainly on the valve.

All-brass construction.

No. 471	Wt.	No. 471	Wt.
¾"	1¼ lbs.	2"	5 lbs.
1"	2 lbs.	2½"	9 lbs.
1¼"	2¾ lbs.	3"	12½ lbs.
1½"	3¼ lbs.	4"	21 lbs.

Gasoline Globe Valve



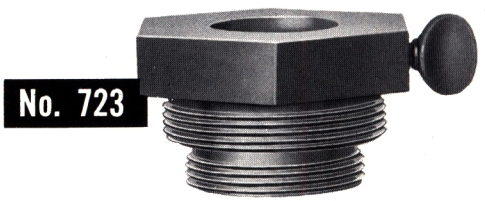
No. 404

This valve, a globe type, has seen service in many gasoline and other fuel installations for many years. It is equipped with metal-to-metal disc and seat, and is made in sizes ½" to 1¼" inclusive.

The No. 404 can be opened to full capacity by only two turns of the handwheel because stem and cap are equipped with double thread. This valve has been used extensively on gasoline pumps.

No. 404—	½"	Wt. 1½ lbs.
	¾"	Wt. 1¾ lbs.
	1"	Wt. 2¼ lbs.
	1¼"	Wt. 3¼ lbs.

Universal Bushing

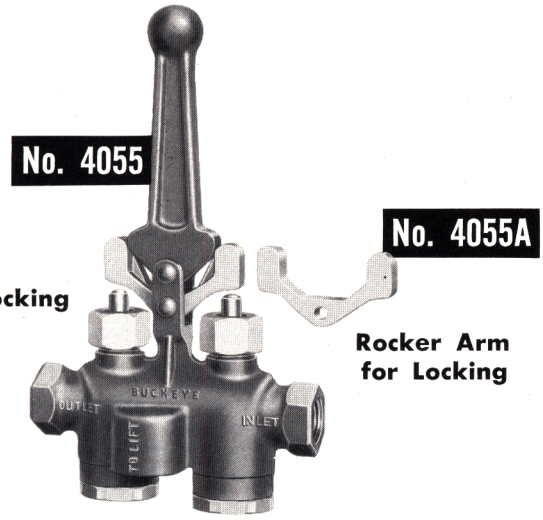


No. 723

Here is a handy bushing designed especially for use with Buckeye Sludge Pumps for connection to barrels, drums and other containers. Made for ¾" or 1" pipe. The bushing is screwed into the 1½" or 2" opening. Note that both thread diameters, standard I.P.T., are on the one bushing. The thumb screw holds the suction pipe of the pump in place.

No. 723—1½" x 2" for ¾" pipe	Wt. 1½ lbs.
1½" x 2" for 1" pipe	Wt. 1¼ lbs.

Buckeye LIFT OPERATING VALVES



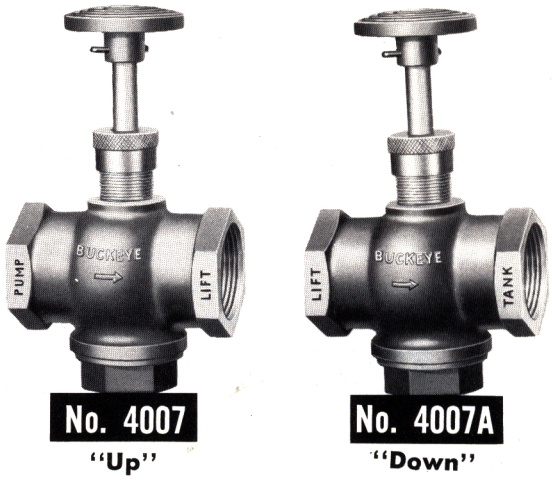
No. 4055—½" Non-Locking or No. 4055A—½" Locking Valves are used extensively on air lines for lift installations.

The body is sturdy cast brass with clear markings—"inlet," "outlet" and "to lift," so it can be properly installed.

The simple movement of the lever, left or right, sends the lift up or down, as desired. When the lever is placed in center position, the lift stops "dead."

Valve becomes locking-type when Rocker Arm (illustrated) is used.

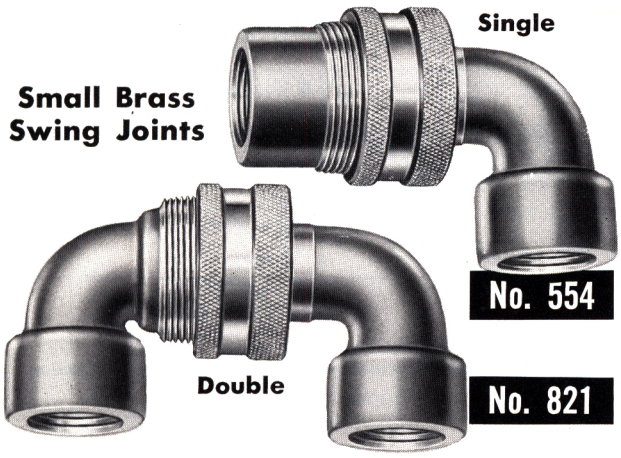
No. 4055	—½" Non-Locking	Wt. 3¾ lbs.
No. 4055A	—½" Locking	Wt. 3¾ lbs.



Here are two valves used extensively in hydraulic lift installations. No. 4007, as illustrated, is the "Up" Valve, this designation being on top button. No. 4007A, identical valve except for indicative markings, is the "Down" Valve, so lettered on top button.

These are "balanced" valves, installed at floor level so that a pressure of the foot on either valve sends the lift up or down.

No. 4007	—1¼"	"Up" Valve	Wt. 3½ lbs.
No. 4007A	—1¼"	"Down" Valve	Wt. 3½ lbs.



These two small swing joints were originally designed for handling lubricating and cutting oils and mixtures on machine tools. However, their use has been extended to handle petroleum and other liquids.

Paint manufacturers have also found these swing joints ideally suited for some of their specialized mills.

These swing joints are made of brass throughout except for the special packing. Since there is plenty of "take up" on the lock ring, it is easy to keep these swing joints tight. Replacement of packing after long use is easy.

No. 554	—½" Single	Wt. ¾	lb.
	¾" Single	Wt. 1	lb.
No. 821	—½" Double	Wt. 1	lb.
	¾" Double	Wt. 1¼	lbs.

Barrel Bung Removers

No. 663 is a forged steel Barrel Bung Remover or wrench designed with special lugs and openings to fit drum plugs now in use. In addition, it is equipped with a prong to remove seal caps used as closures on some containers.

Forging is plated to prevent rust. Over-all length is 15¾".

No. 663 Wt. 2½ lbs.

This Barrel Bung Remover or wrench fits practically all drum plugs in use today. It has cast steel ends with ¾" pipe handle to fit the hand comfortably.

This wrench is also plated to prevent rust.

Length, 21⅛", extending over drum rims.

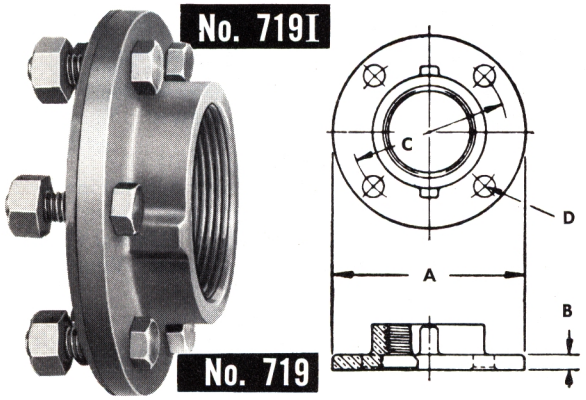
No. 763 Wt. 3¾ lbs.

Buckeye COMPANION FLANGES

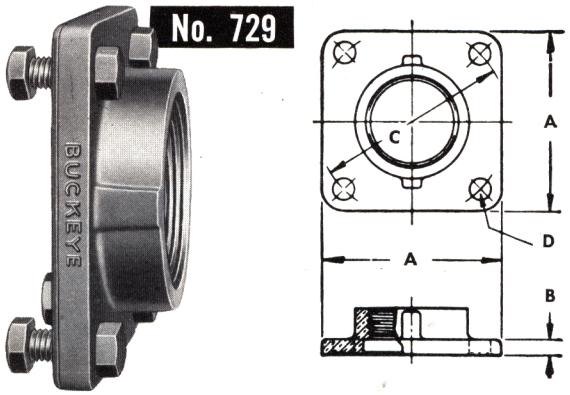
For Use with Buckeye Valves and Strainers

The Companion Flanges shown below are carefully machined, faced and drilled. All flanges are furnished complete with gasket, studs and nuts.

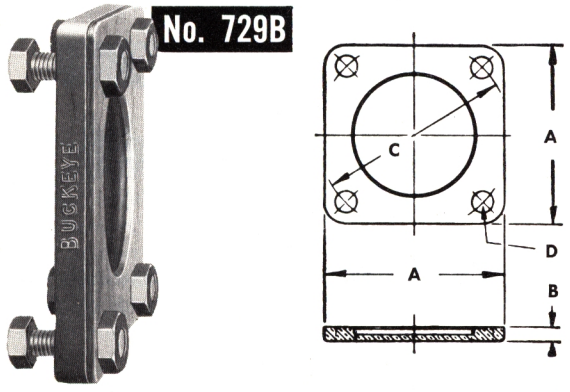
The threaded flanges as well as the Blank Flanges are made to fit the various valves shown in this catalog. All Companion Flanges are brass castings with the exception of No. 719I which is made of sturdy cast iron.



NO.	A	B	C	D	E*	USED ON NO.	SIZE	WT. LBS.
719I-4	6″	5/8″	4 3/4″	3/4″	4	774F-769F	2″	5
719I-5	7″	11/16″	5 1/2″	3/4″	4	774F-769F	2 1/2″	6 1/2
719I-6	7 1/2″	3/4″	6″	3/4″	4	774F-769F	3″	8 1/2
719I-7	9″	15/16″	7 1/2″	3/4″	8	774F-769F	4″	14 1/2
719-8	4 1/2″	5/16″	3 3/4″	7/16″	6	755F-811	2″	2 1/4
719-7	5″	5/16″	4 1/4″	7/16″	6	811	2 1/2″	2 1/2
719-6	5 5/8″	3/8″	4 7/8″	7/16″	8	811	3″	3 1/4



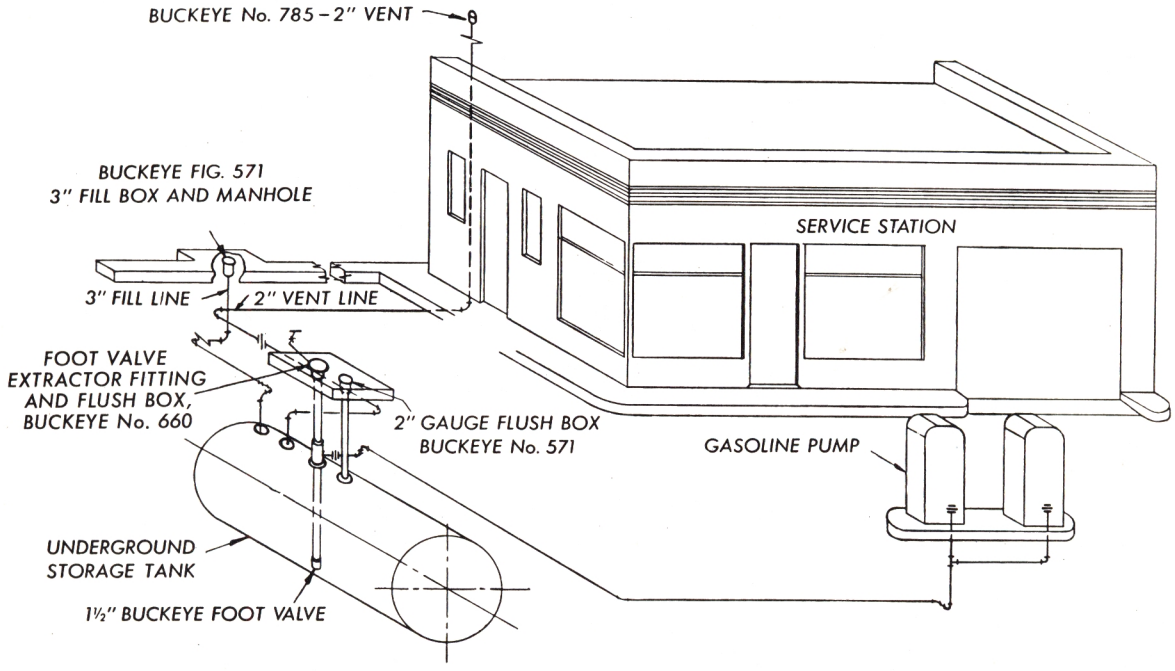
NO.	A	B	C	D	E*	USED ON NO.	SIZE	WT. LBS.
729-3	4 1/4″	3/8″	4 1/2″	17/32″	4	(432B-432F) ( )	2″	2 1/4
729-4	4 3/4″	1/2″	5″	17/32″	4	(433B-433F) ( )	2 1/2″	3 1/2
729-5	4 3/4″	1/2″	5″	17/32″	4	(797F-798F) ( ) (and) ( ) (709F)	3″	3 1/2



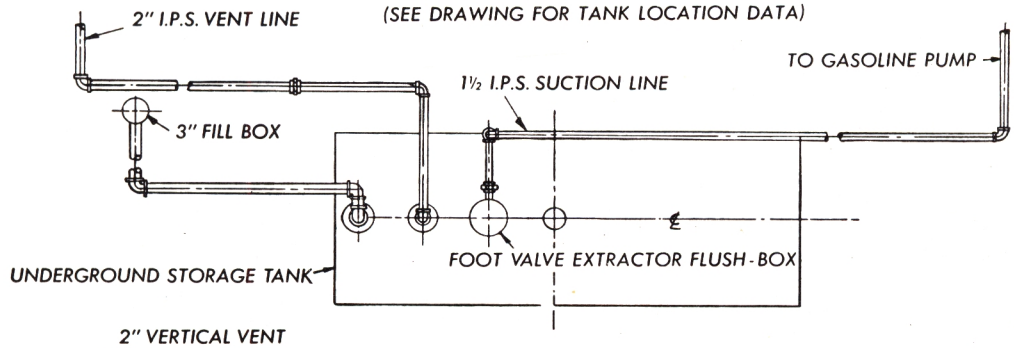
NO.	A	B	C	D	E*	USED ON NO.	SIZE	WT. LBS.
729B-3	4 1/4″	3/8″	4 1/2″	17/32″	4	798F	2″	2
729B-4	4 3/4″	1/2″	5″	17/32″	4	798F	2 1/2″	3
729B-5	4 3/4″	1/2″	5″	17/32″	4	798F	3″	2 3/4

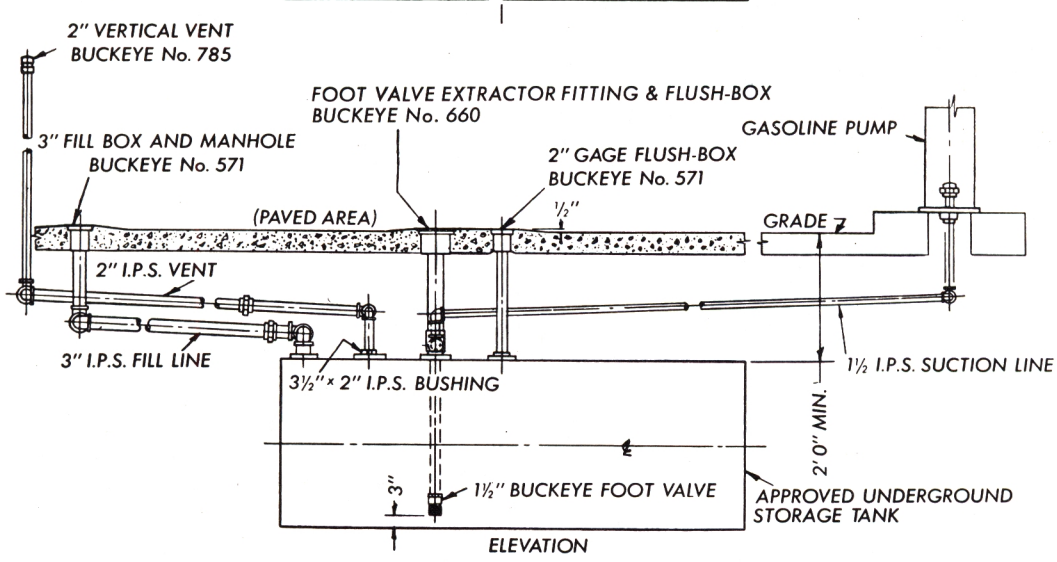
*E=Number of Holes

TYPICAL DETAIL OF PIPING WITH REMOTE FILL BOX CONNECTION

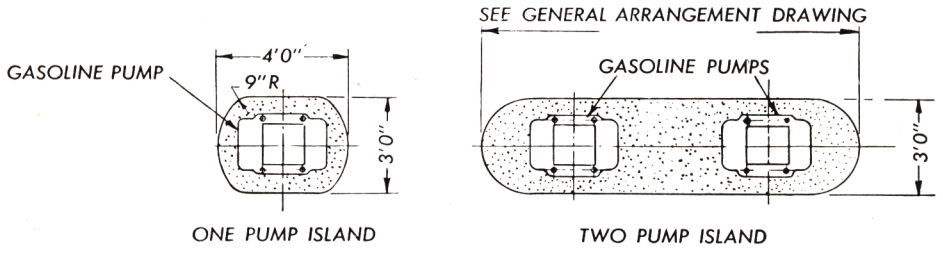


TYPICAL PIPING ARRANGEMENT
WITH REMOTE FILL BOX CONNECTION–
(SEE DRAWING FOR TANK LOCATION DATA)

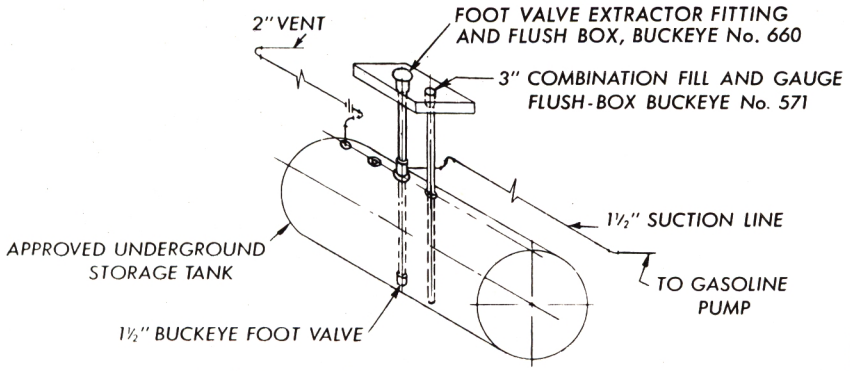




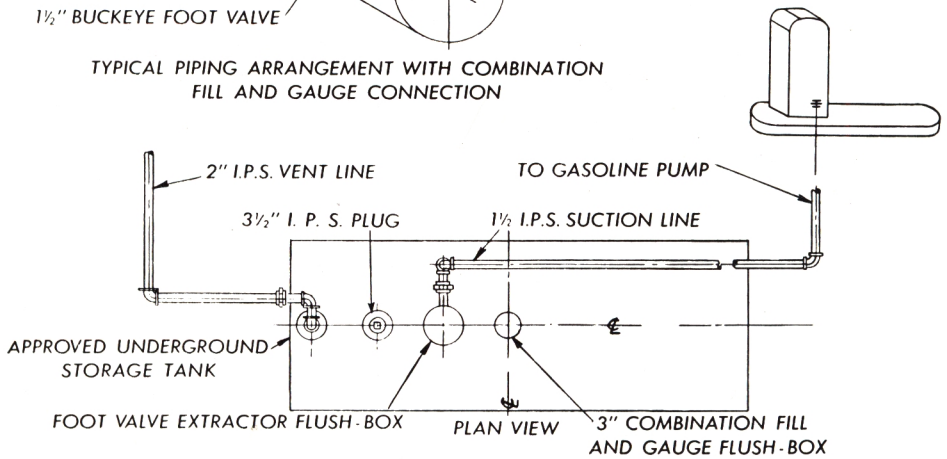
TYPICAL DETAIL OF PIPING WITH COMBINATION FILL AND GAUGE CONNECTIONS

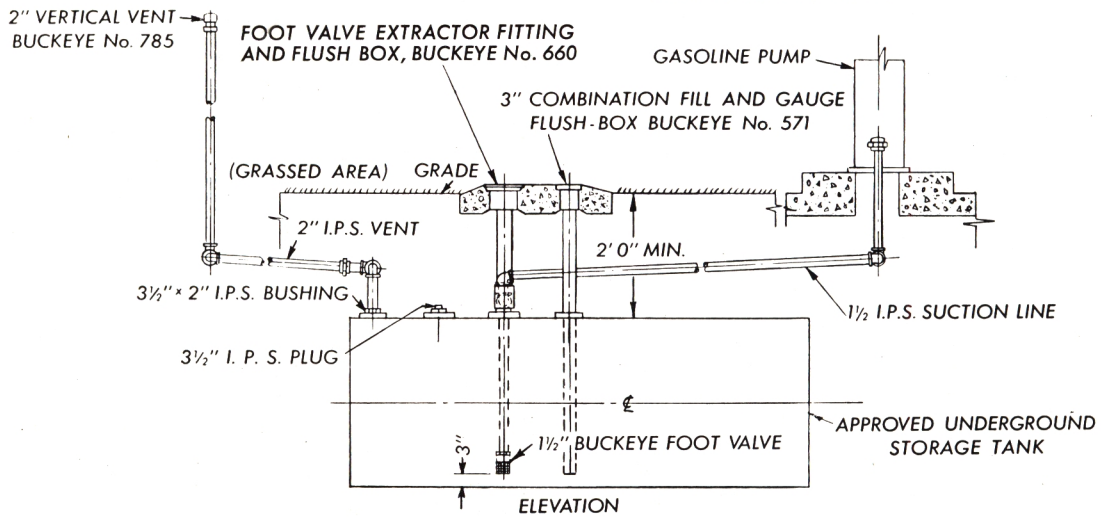


PLAN OF CONCRETE ISLANDS


2" VENT
FOOT VALVE EXTRACTOR FITTING AND FLUSH BOX, BUCKEYE No. 660
3" COMBINATION FILL AND GAUGE FLUSH-BOX BUCKEYE No. 571
1½" SUCTION LINE
APPROVED UNDERGROUND STORAGE TANK
TO GASOLINE PUMP
1½" BUCKEYE FOOT VALVE

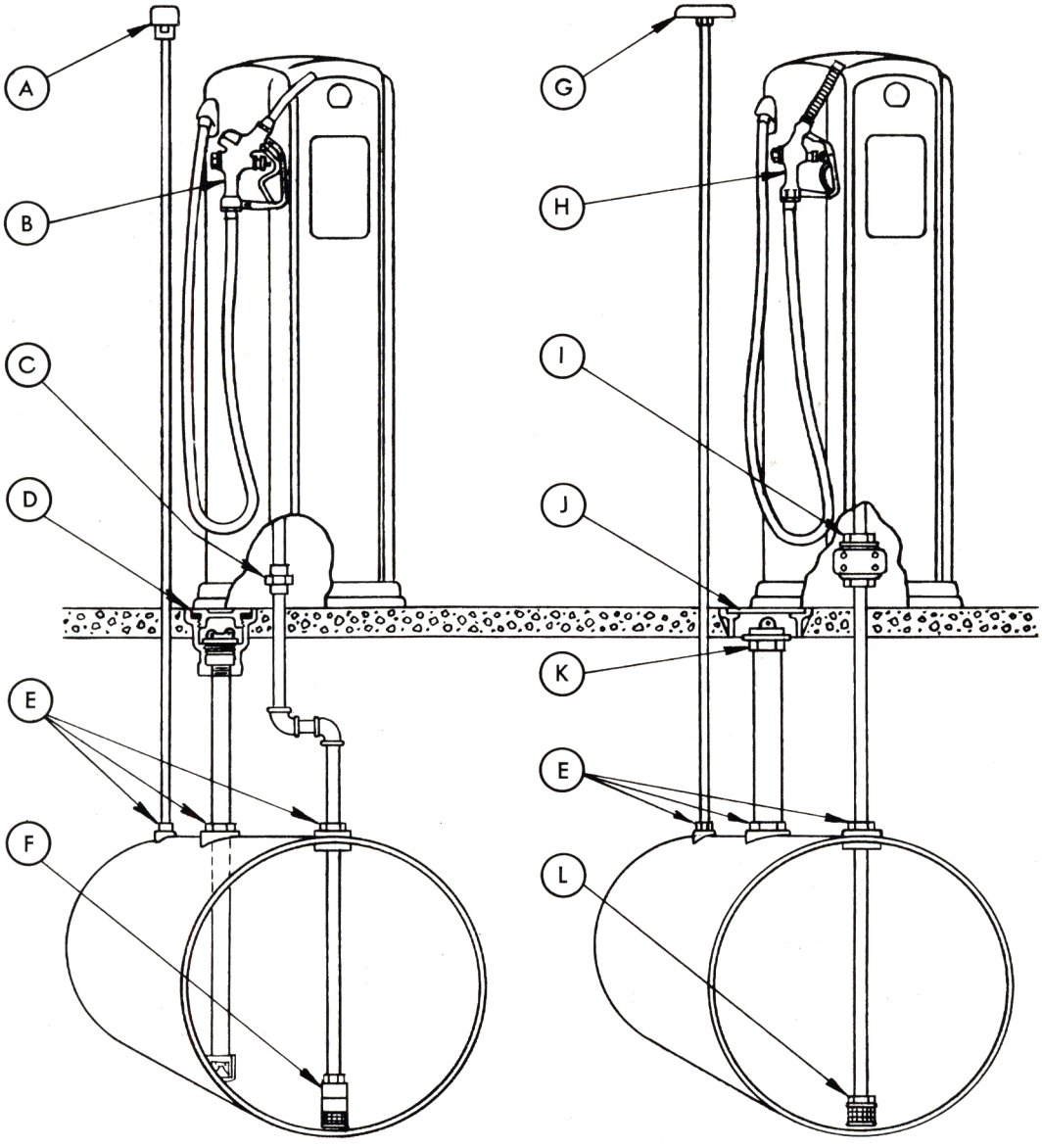
TYPICAL PIPING ARRANGEMENT WITH COMBINATION FILL AND GAUGE CONNECTION


2" I.P.S. VENT LINE
TO GASOLINE PUMP
3½" I. P. S. PLUG
1½ I.P.S. SUCTION LINE
APPROVED UNDERGROUND STORAGE TANK
FOOT VALVE EXTRACTOR FLUSH-BOX
PLAN VIEW
3" COMBINATION FILL AND GAUGE FLUSH-BOX


2" VERTICAL VENT BUCKEYE No. 785
FOOT VALVE EXTRACTOR FITTING AND FLUSH BOX, BUCKEYE No. 660
GASOLINE PUMP
3" COMBINATION FILL AND GAUGE FLUSH-BOX BUCKEYE No. 571
(GRASSED AREA)
GRADE
2" I.P.S. VENT
2' 0" MIN.
3½" × 2" I.P.S. BUSHING
1½ I.P.S. SUCTION LINE
3½" I. P. S. PLUG
APPROVED UNDERGROUND STORAGE TANK
3"
1½" BUCKEYE FOOT VALVE

ELEVATION

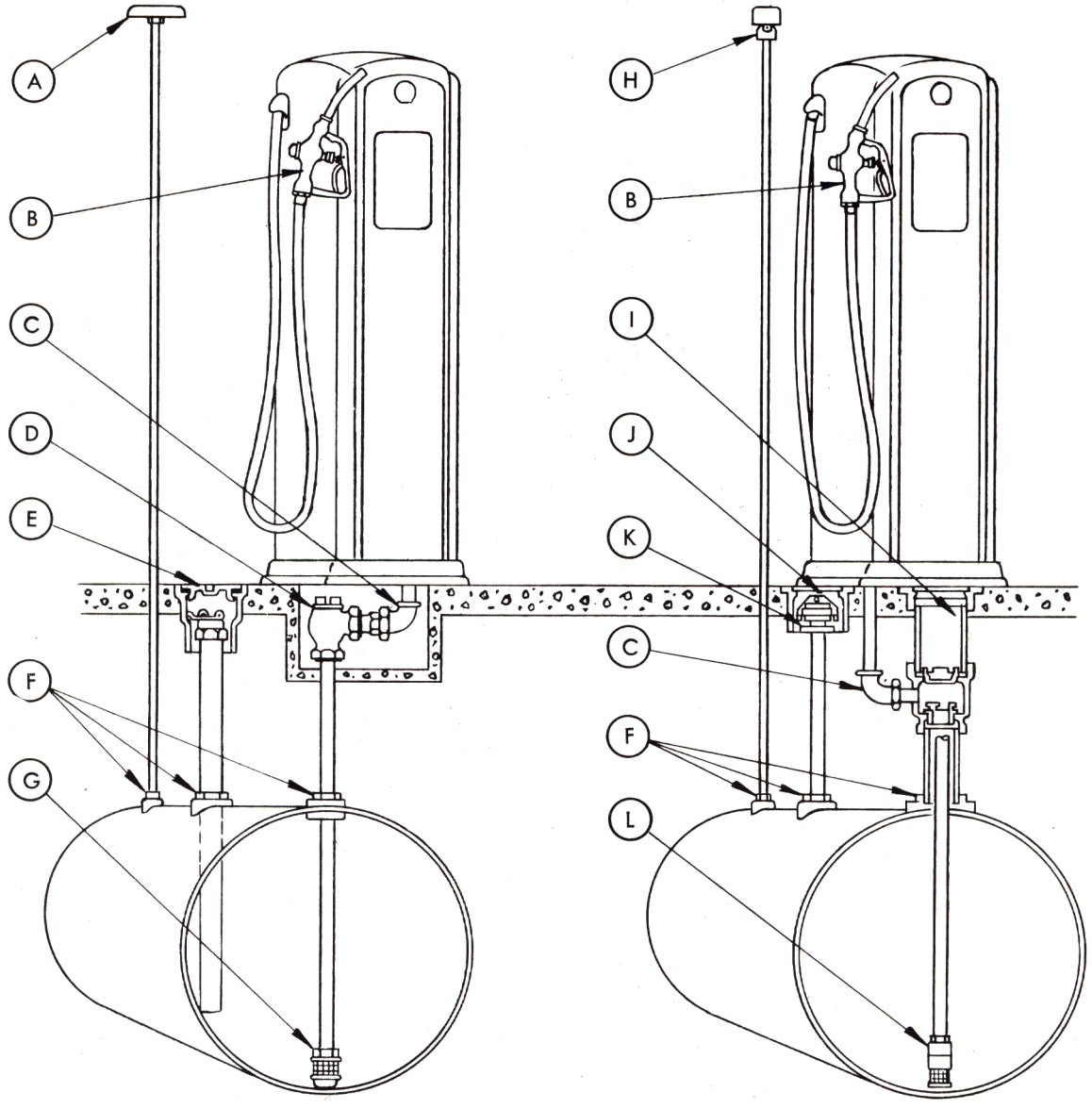
TYPICAL SERVICE STATION PUMP INSTALLATION



SYMBOL	NO.	NAME	CATALOG NO. 14
A	785	Vertical Vent	Page 38
	or		
	785B	Vertical Vent	38
B	820A	Safety-Fill Nozzle	6
C	732	Union Check Valve	28
D	450	Fill Box	20
E	441	Bushing	33
F	439	Foot Valve	27
G	631	"T" Vent	38
	or		
	631B	"T" Vent	38

SYMBOL	NO.	NAME	CATALOG NO. 14
H	800E	Nozzle Valve	Page 8
	or		
	800F	Nozzle Valve	8
I	850	Extractor Check Valve	29
	or		
	851	Extractor Check Valve	29
	750	Extractor Check Valve	29
	or		
	750A	Extractor Check Valve	29
J	717	Manhole	25
K	632	Fill Cap	22
L	724	Stub Strainer	33

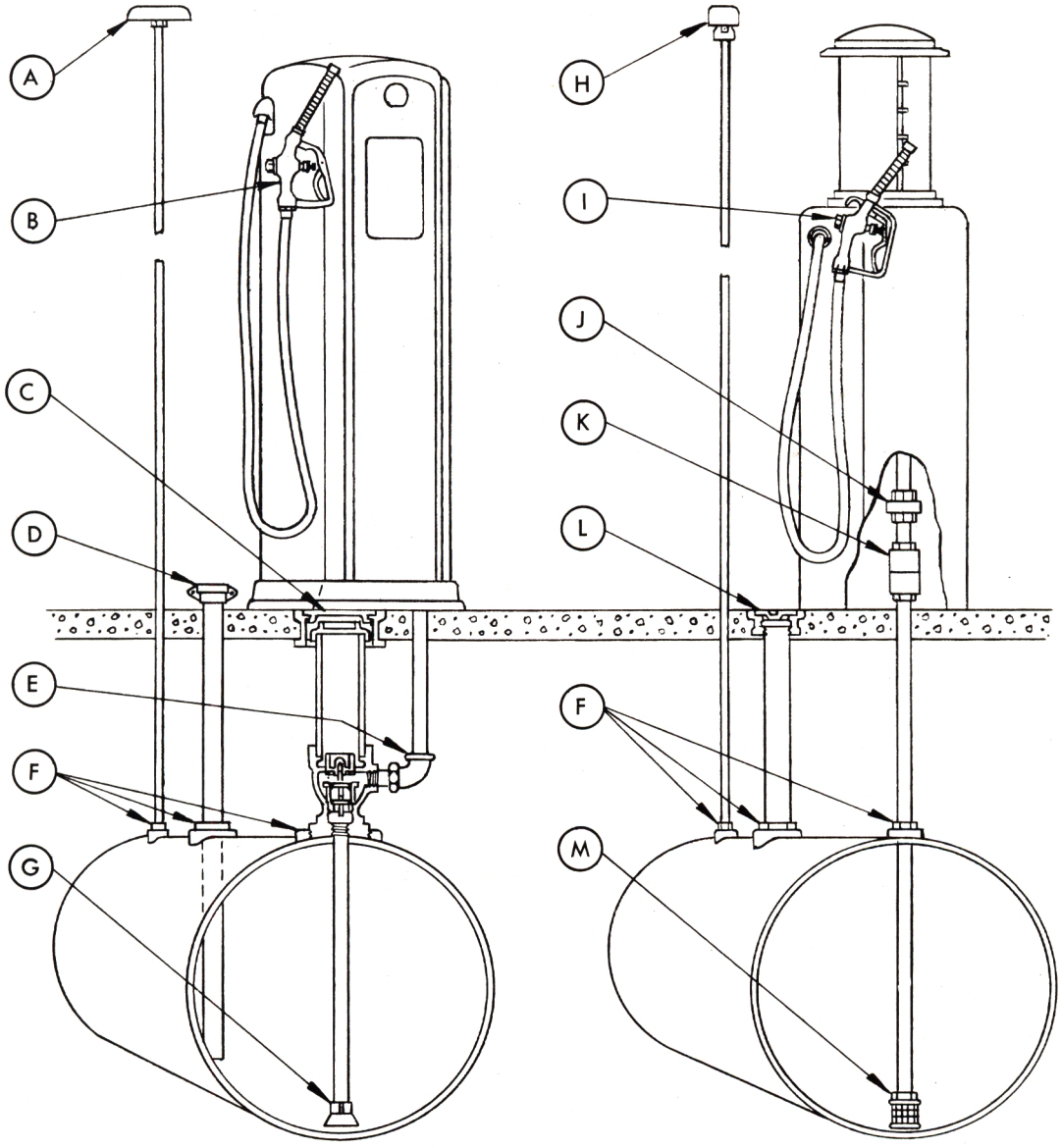
TYPICAL SERVICE STATION PUMP INSTALLATION



SYMBOL	NO.	NAME	CATALOG NO. 14
A	631 or 631B	"T" Vent	Page 38
B	800E or 800F	Nozzle Valve	8
C	582	Union Elbow	33
D	464	Angle Check Valve	31
E	571	Manhole Fill Box	21
F	441	Bushing	33
G	577	Stub Strainer	33

SYMBOL	NO.	NAME	CATALOG NO. 14
H	785 or 785B	Vertical Vent	Page 38
I	660 or 670 or 740	Foot Valve Extractor Installation	34
J	592B	Manhole	25
K	871	PresTite Fill Cap	22
L	619	Foot Valve	28

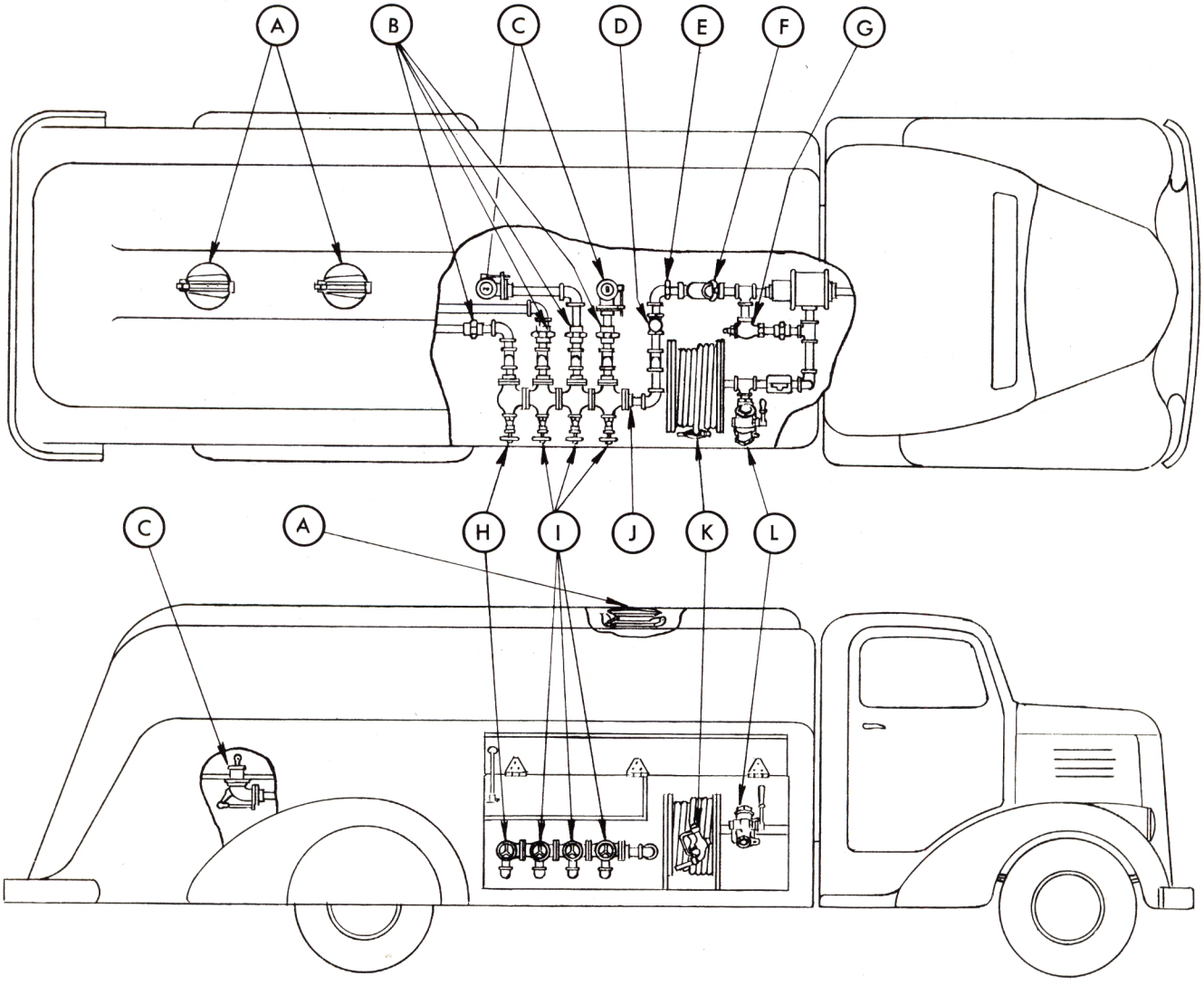
TYPICAL SERVICE STATION PUMP INSTALLATION



SYMBOL	NO.	NAME	CATALOG NO. 14
A	631	"T" Vent	Page 38
	or		
	631B	"T" Vent	38
B	800E	Nozzle Valve	8
	or		
	800F	Nozzle Valve	8
C	680	Angle Check Extractor	
	or	Installation	35
	700AS	Angle Check Extractor	
		Installation	36
D	628	Fill Cap	23

SYMBOL	NO.	NAME	CATALOG NO. 14
E	582	Union Elbow	Page 33
F	441	Bushing	33
G	442	Stub Strainer	33
H	785	Vertical Vent	38
	or		
	785B	Vertical Vent	38
I	651	Nozzle Valve	9
J	633	Union	33
K	550	Vertical Check Valve	30
L	452	Fill Box	20
M	724	Stub Strainer	33

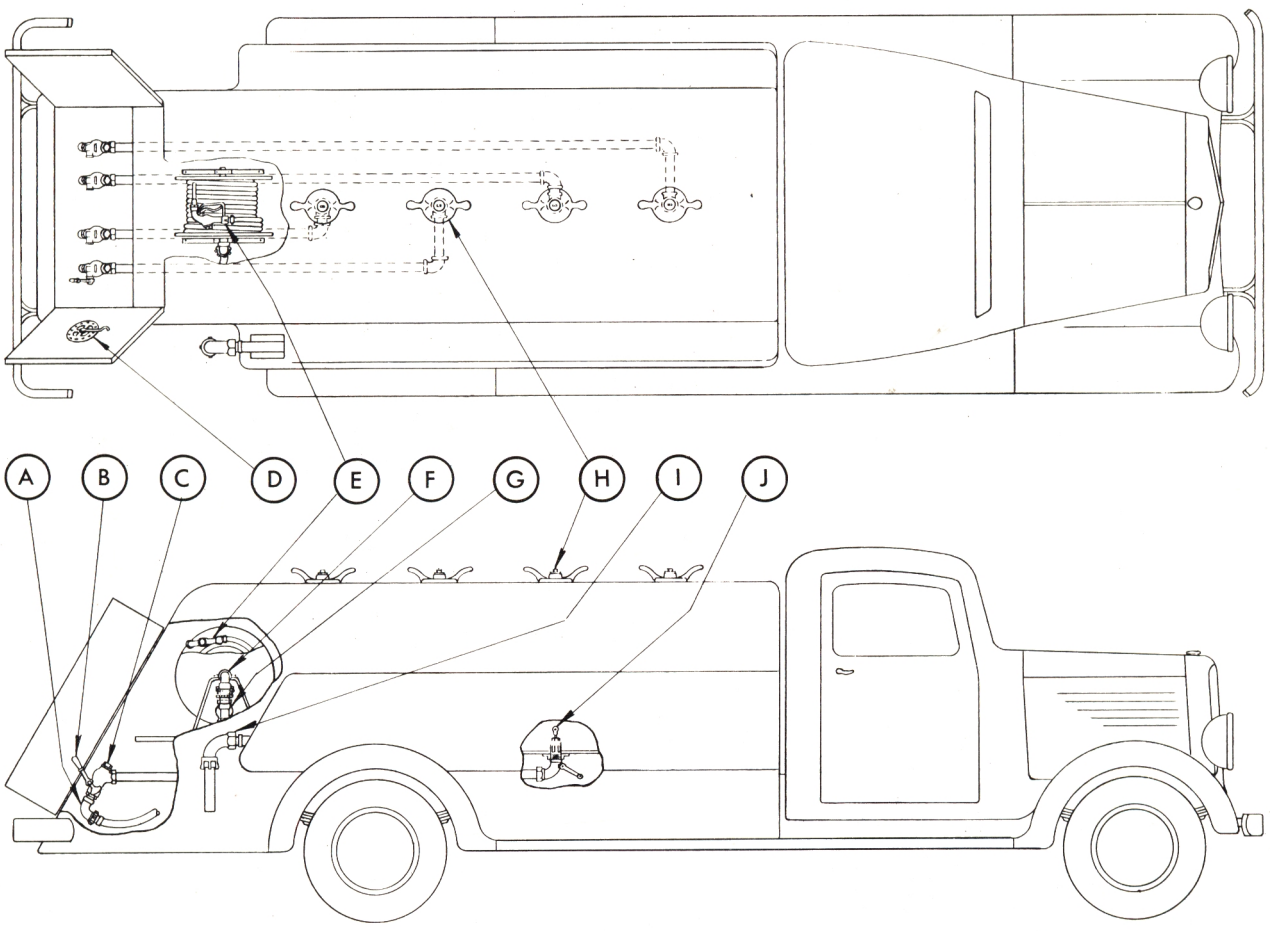
TANK TRUCK EQUIPMENT



SYMBOL	NO.	NAME	CATALOG NO. 14
A	676	Dome Cover	Page 49
B	633	Union	33
C	755F	Emergency Valve	49
	or		
	811	Emergency Valve	49
D	444	Swing Check Valve	30
E	582	Union Elbow	33
F	669	Line Strainer	43

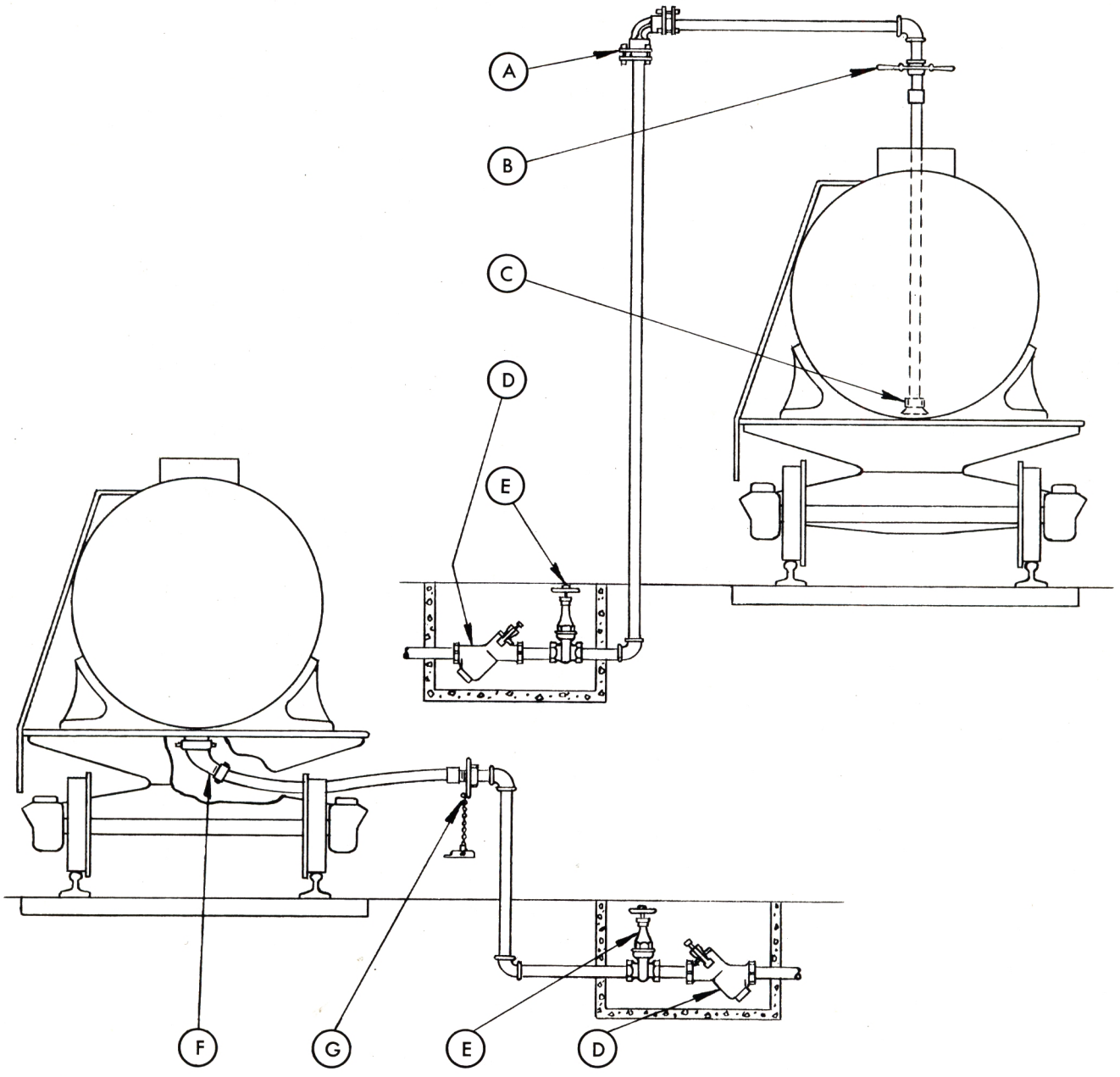
SYMBOL	NO.	NAME	CATALOG NO. 14
G	471	By-Pass Valve	Page 54
H	797F	Flanged Angle Valve	50
I	798F	Flanged Cross Valve	50
J	729	Companion Flange	56
K	782	Fuel Oil Delivery Nozzle	10
	or		
	882	Fuel Oil Delivery Nozzle	10
L	688S	Tank Truck Faucet	45

TANK TRUCK EQUIPMENT



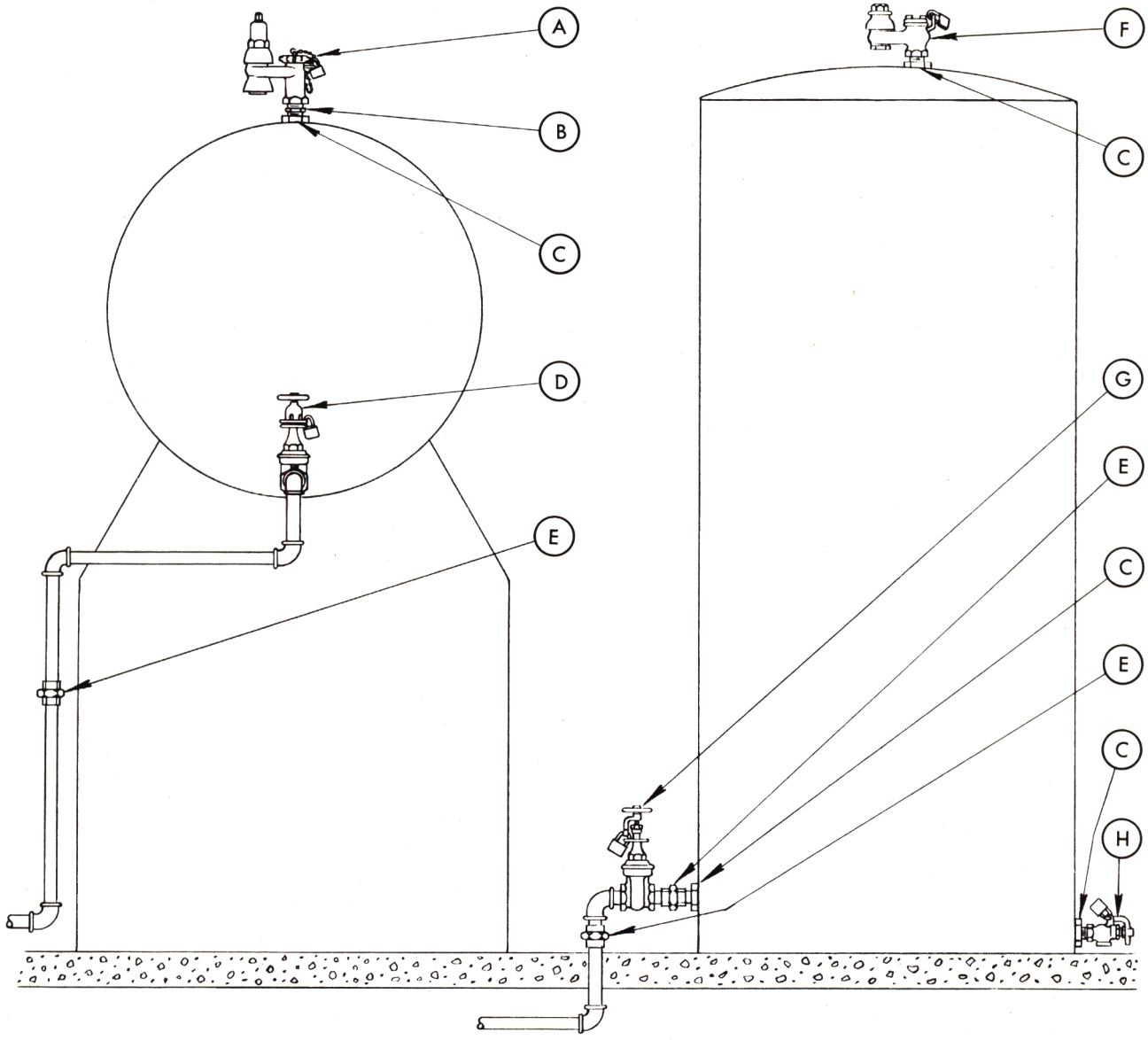
SYMBOL	NO.	NAME	CATALOG NO. 14
A	762	Coupling Elbow	Page 24, 50
B	616B	Wrench	45
C	605	Tank Truck Faucet	45
D	606	Bucket Counter	51
E	782	Fuel Oil Delivery Nozzle	10
	or		
	882	Fuel Oil Delivery Nozzle	10
F	602A	Swing Joint	41
G	471	By-Pass Valve	54
H	614	Dome Cover	49
I	662	Unloading Nozzle	51
J	755	Emergency Valve	49
	or		
	811	Emergency Valve	49

TANK CAR UNLOADING EQUIPMENT



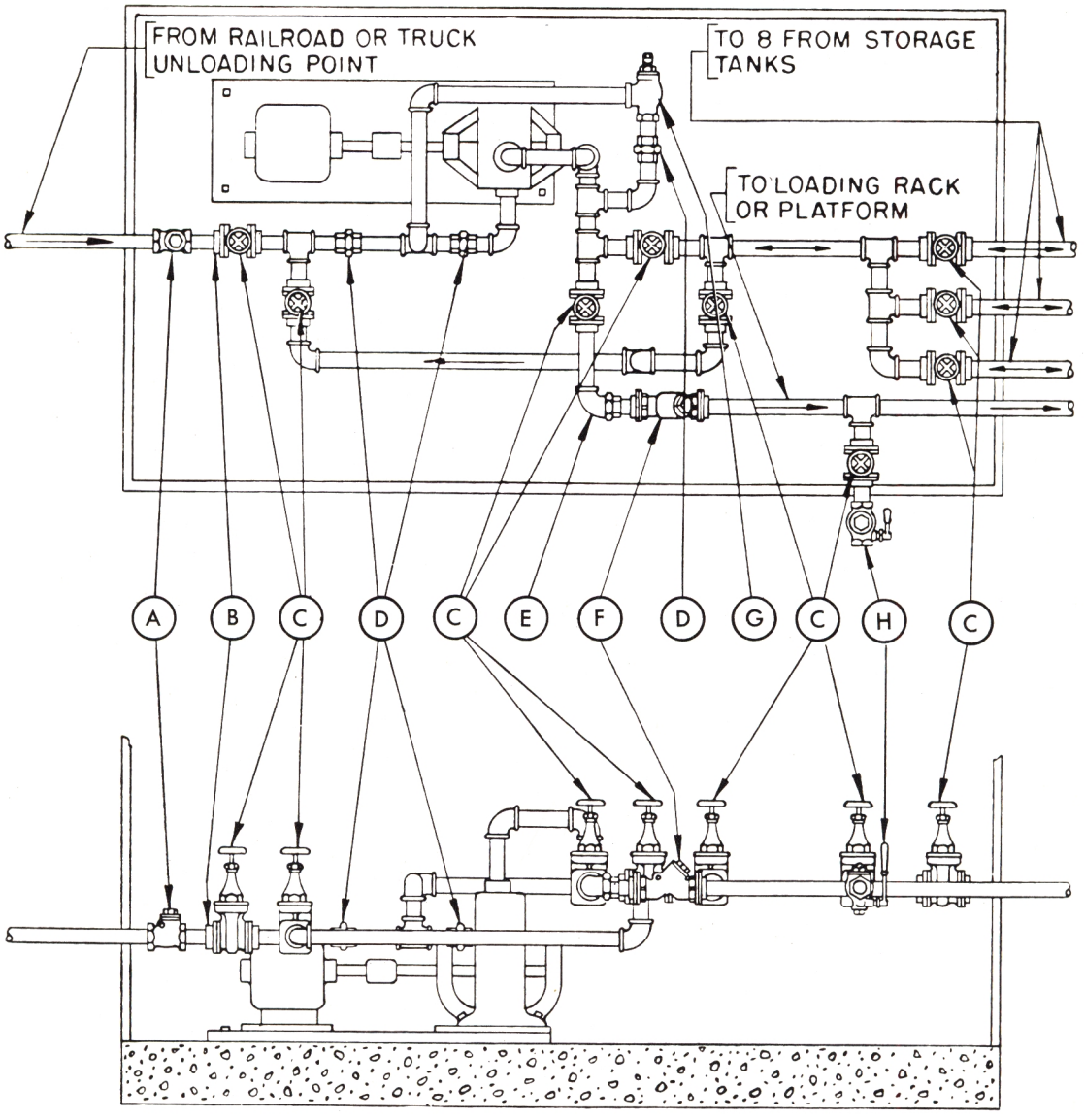
SYMBOL	NO.	NAME	CATALOG NO. 14
A	601A or 603A	Double Swing Joint	Page 41
B	611	Union Wrench Coupling	52
C	442 or 724	Stub Strainer	33
D	769	Line Strainer	Page 43
E	432	Rising Stem Gate Valve	53
F	608	Tank Car Elbow	52
G	764 or 764L	Adapter, Cap and Chain	24

STORAGE TANK EQUIPMENT



SYMBOL	NO.	NAME	CATALOG NO. 14
A	722S	Vent Valve	Page 38
B		Nipple	
C	441	Bushing	33
D	433	Lock-Type Gate Valve	53
E	633	Union	33
F	607	Vent Valve	38
G	433R	Lock-Type Gate Valve (with relief)	53
H	613	Anti-Freeze Drain Valve	52

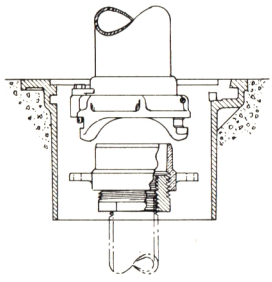
PUMP HOUSE EQUIPMENT



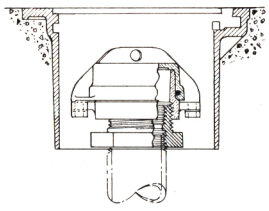
SYMBOL	NO.	NAME	CATALOG NO. 14
A	79	Swing Check Valve	Page 30
	or		
	444	Swing Check Valve	30
B	729	Companion Flange	56
C	432F	Flanged Gate Valve	53
D	633	Union	33
E	582	Union Elbow	33
F	779	Swing Check Valve	30
	or		
	779F	Swing Check Valve	30
G	471	By-Pass Valve	54
H	688S	Faucet	45

TIGHT FILL SYSTEM

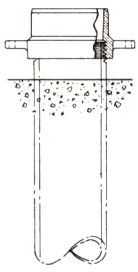
Various Adapters Used to Modify Present Installations to 3″ PresTite Fill Cap



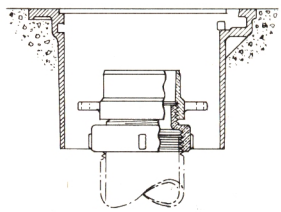
3" 873N PRESTITE COUPLING ELL AND 3" 871E PRESTITE FILL CAP BODY BUSHED TO 2" FILL PIPE



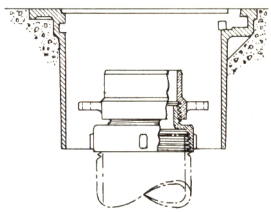
3" 871E PRESTITE FILL CAP BUSHED TO 2½" FILL PIPE



3" 871 PRESTITE BODY ON 3" PIPE RISER ABOVE GROUND

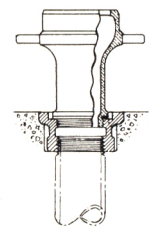


3" 871E PRESTITE FILL CAP BODY ADAPTED TO 3½" FILL PIPE

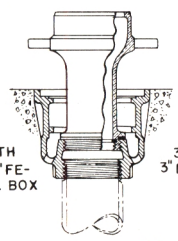


3" 871E PRESTITE FILL CAP BODY ADAPTED TO 4" FILL PIPE

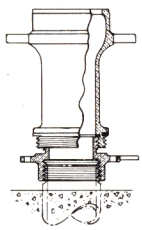
3" PRESTITE ADAPTERS FOR ADAPTING PRESENT FILL BOXES FOR TIGHT FILL CONNECTIONS



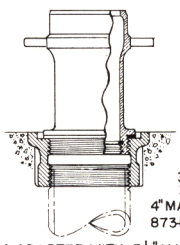
3" 873M ADAPTER WITH 2" MALE THREAD IN 2" FEMALE THREADED FILL BOX



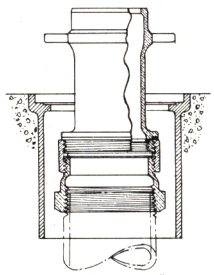
3" 873M ADAPTER WITH 2½" MALE X 2" FEMALE IN 2½" FEMALE THREADED FILL BOX



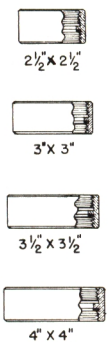
3" 873M ADAPTER WITH 3" MALE X 2½" FEMALE ON 2½" MALE THREADED FILL BOX



3" 873M ADAPTER WITH 3½" MALE X 3" FEMALE IN 3½" FEMALE THREADED FILL BOX

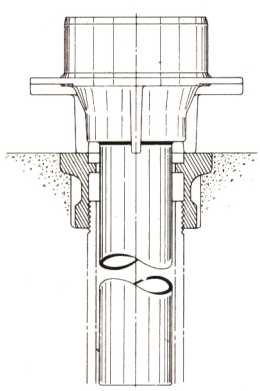


3" 873M ADAPTER WITH 4" MALE X 3½" FEMALE ON A CLOSE FITTING 4" MALE THREADED FILL BOX USING A 873P 4"X4" FILL BOX ADAP. COUPLING

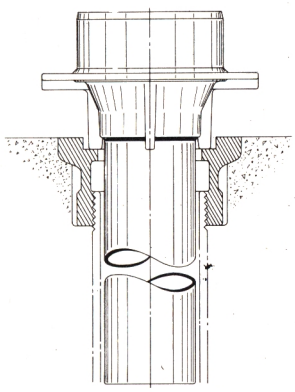


873P FILL BOX ADAPTER COUPLINGS

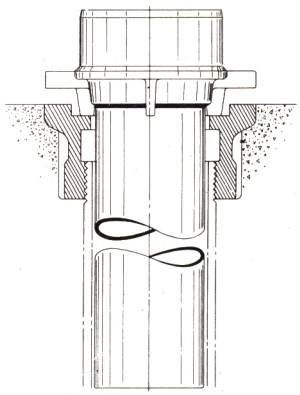
PRESTITE ADAPTER DROP TUBES FOR FILL CAPS THAT ARE NOT THREADED OR WILL NOT TAKE 873M ADAPTERS



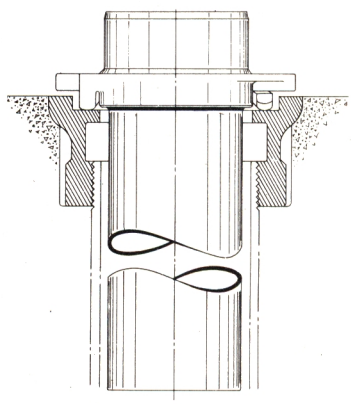
3" 873Q PRESTITE ADAP. WITH 1½" PIPE FOR 2" FILL BOX



3" 873Q PRESTITE ADAPTER WITH 2" PIPE FOR 2½" FILL BOX



3" 873Q PRESTITE ADAPTER WITH 2½" PIPE FOR 3" & 3½" FILL BOX

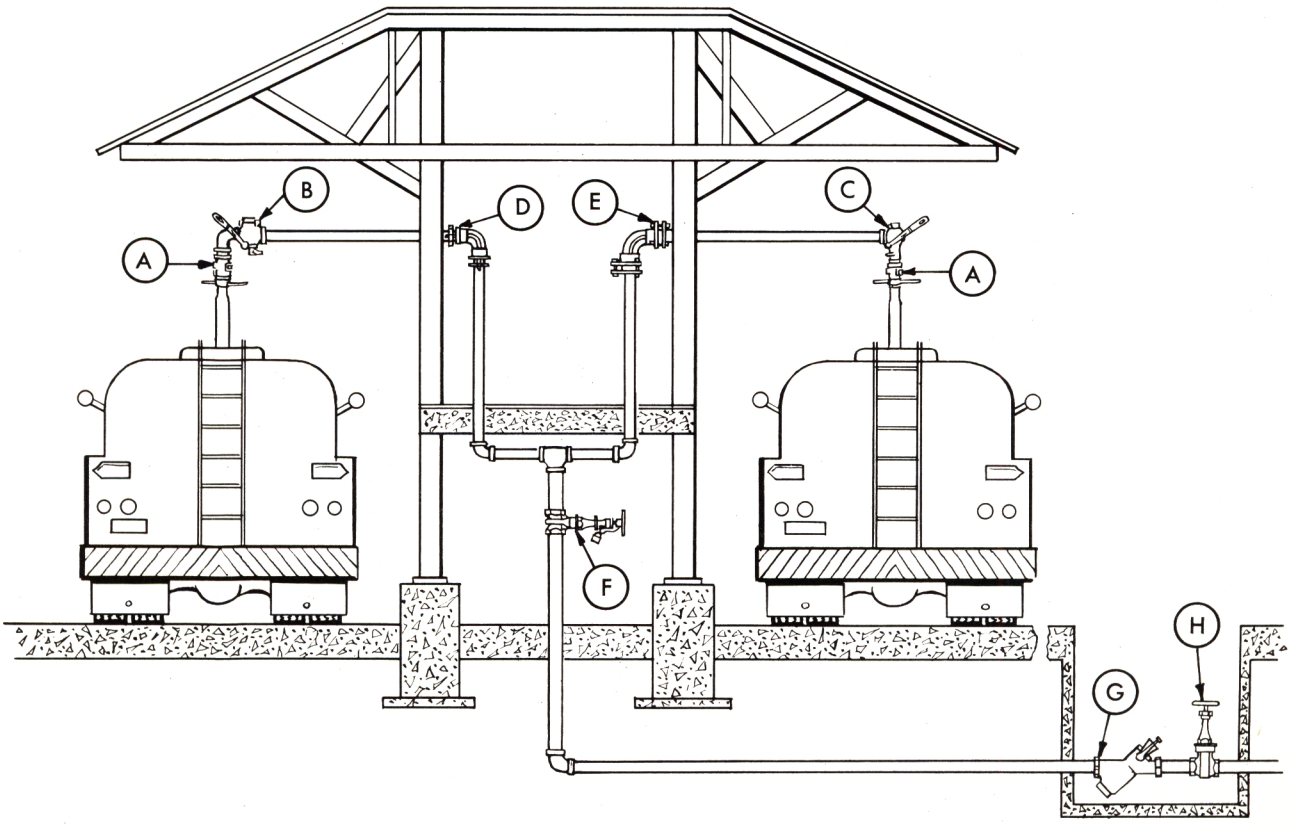


3" 873Q PRESTITE ADAPTER WITH 3" PIPE FOR 4" FILL BOX

In order to make use of your present fill boxes or fill caps, please contact the salesman regularly furnishing you with Buckeye products and have him recommend the few fittings to fit your needs so you can have your own PresTite fill system.

PATENT APPLIED FOR

TYPICAL LOADING RACK INSTALLATION



TYPICAL LOADING RACK INSTALLATION

SYMBOL	NO.	NAME	CATALOG NO. 14
A	874	PresTite Down Spout	Page 42
B	658C	Loading Valve	40
C	672C	Loading Valve	40
D	601A	Swing Joint	41
E	603A	Swing Joint	41
F	433	Lock-Type Gate Valve	53
G	769	Line Strainer	43
H	432	Plain Gate Valve	53

Litho in U. S. A.

PRICE LIST

for

Buckeye

VALVES AND FITTINGS

SERVICE STATIONS
BULK PLANTS
TANK TRUCKS
AIRPORTS

CATALOG NO. 14

Effective, October 20, 1953

TERMS—NET CASH, 30 Days; 1% for Cash in 10 Days
F. O. B. Dayton, Ohio

Prices in this list are subject to the addition of any tax imposed by any present or future law on the sale of the articles covered. They do not include any Federal, State, Excise or other taxes.

BUCKEYE IRON & BRASS WORKS
P. O. BOX 883 DAYTON 1, OHIO

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

PRICE LIST FOR
BUCKEYE CATALOG NO. 14
Quality Valves and Fittings

For Service Stations • Bulk Plants • Tank Trucks • Airports

Item No.	Catalog Page No.	Size		Net Wt.	Price
79	30	1/8"	Swing Check Valve	½ lb.	$ 3.92
		¼"	Swing Check Valve	½ lb.	3.92
		3/8"	Swing Check Valve	¾ lb.	3.92
		½"	Swing Check Valve	¾ lb.	3.92
		¾"	Swing Check Valve	1 lb.	4.40
		1¼"	Swing Check Valve	2½ lbs.	5.93
		2½"	Swing Check Valve	9 lbs.	23.63
		3"	Swing Check Valve	14 lbs.	27.67
404	54	½"	Globe Valve	1½ lbs.	4.54
		¾"	Globe Valve	1¾ lbs.	6.30
		1"	Globe Valve	2¼ lbs.	7.91
		1¼"	Globe Valve	3¼ lbs.	11.39
425	30	½"	S.P. Vertical Check Valve	¾ lb.	3.05
		¾"	S.P. Vertical Check Valve	1 lb.	3.34
		1"	S.P. Vertical Check Valve	1¼ lbs.	4.15
		1¼"	S.P. Vertical Check Valve	1¾ lbs.	6.34
		1½"	S.P. Vertical Check Valve	3 lbs.	7.14
		2"	S.P. Vertical Check Valve	4 lbs.	10.91
		2½"	S.P. Vertical Check Valve	8¾ lbs.	22.48
		3"	S.P. Vertical Check Valve	12¼ lbs.	26.49
		4"	S.P. Vertical Check Valve	21½ lbs.	59.49
429	39	½"	Swing Gate Valve	1½ lbs.	8.71
		¾"	Swing Gate Valve	2½ lbs.	11.03
		1"	Swing Gate Valve	3½ lbs.	12.58
		1¼"	Swing Gate Valve	4¾ lbs.	15.63
		1½"	Swing Gate Valve	7 lbs.	21.86
		2"	Swing Gate Valve	8¾ lbs.	28.90
		2½"	Swing Gate Valve	16¾ lbs.	47.75
		3"	Swing Gate Valve	24 lbs.	67.78
429C	39	1"	Swing Gate Valve	3¾ lbs.	13.84
		1¼"	Swing Gate Valve	5 lbs.	16.89
		1½"	Swing Gate Valve	6½ lbs.	23.44
429L	39	1"	Swing Gate Valve	3½ lbs.	12.94
		1¼"	Swing Gate Valve	4¾ lbs.	15.94
		1½"	Swing Gate Valve	7 lbs.	22.25
430	29	½"	Swing Gate Valve	1½ lbs.	7.05
		¾"	Swing Gate Valve	2¼ lbs.	9.75
		1"	Swing Gate Valve	3 lbs.	9.75
		1¼"	Swing Gate Valve	4¼ lbs.	12.40
		1½"	Swing Gate Valve	6 lbs.	16.85
		2"	Swing Gate Valve	7¾ lbs.	22.66
		2½"	Swing Gate Valve	15¼ lbs.	37.75
		3"	Swing Gate Valve	22 lbs.	53.69
431	39	1½"	Swing Gate Valve	6 lbs.	$19.00
		2"	Swing Gate Valve	7¾ lbs.	24.15
		2½"	Swing Gate Valve	15¼ lbs.	39.80
		3"	Swing Gate Valve	22 lbs.	56.49
432	53	1½"	Plain Rising Stem Gate Valve	5½ lbs.	10.05
		2"	Plain Rising Stem Gate Valve	8 lbs.	13.85
		2½"	Plain Rising Stem Gate Valve	13¾ lbs.	23.40
		3"	Plain Rising Stem Gate Valve	17½ lbs.	34.30
432B	53	2"	Plain Rising Stem Gate Valve with Built-In Relief, Flanged	10¼ lbs.	25.59
		2½"	Plain Rising Stem Gate Valve with Built-In Relief, Flanged	17¾ lbs.	37.02
		3"	Plain Rising Stem Gate Valve with Built-In Relief, Flanged	19 lbs.	50.11
432F	53	2"	Plain Rising Stem Gate Valve, Flanged	10 lbs.	20.13
		2½"	Plain Rising Stem Gate Valve, Flanged	17½ lbs.	31.55
		3"	Plain Rising Stem Gate Valve, Flanged	18¾ lbs.	44.64
432R	53	2"	Plain Rising Stem Gate Valve with Built-In Relief	8¼ lbs.	18.70
		2½"	Plain Rising Stem Gate Valve with Built-In Relief	14 lbs.	28.95
		3"	Plain Rising Stem Gate Valve with Built-In Relief	17¾ lbs.	39.75
433	53	1½"	Lock Type Rising Stem Gate Valve	6¼ lbs.	12.05
		2"	Lock Type Rising Stem Gate Valve	8½ lbs.	16.10
		2½"	Lock Type Rising Stem Gate Valve	14¼ lbs.	27.75
		3"	Lock Type Rising Stem Gate Valve	18 lbs.	37.70
433B	53	2"	Lock Type Rising Stem Gate Valve with Built-In Relief, Flanged	10¾ lbs.	27.78
		2½"	Lock Type Rising Stem Gate Valve with Built-In Relief, Flanged	18¼ lbs.	40.36
		3"	Lock Type Rising Stem Gate Valve with Built-In Relief, Flanged	22¼ lbs.	53.53

Item No.	Catalog Page No.	Size		Net Wt.	Price
433F	53	2″	Lock Type Rising Stem Gate Valve, Flanged	10½ lbs.	$22.32
		2½″	Lock Type Rising Stem Gate Valve, Flanged	18 lbs.	34.89
		3″	Lock Type Rising Stem Gate Valve, Flanged	22 lbs.	48.06
433R	53	2″	Lock Type Rising Stem Gate Valve with Built-In Relief	8¾ lbs.	21.40
		2½″	Lock Type Rising Stem Gate Valve with Built-In Relief	14½ lbs.	32.15
		3″	Lock Type Rising Stem Gate Valve with Built-In Relief	18¼ lbs.	43.25
436	39	⅛″	Angle Vacuum Breaker	2 oz.	1.64
438	27	½″	Single Poppet Foot Valve	¾ lb.	3.05
		¾″	Single Poppet Foot Valve	¾ lb.	3.40
		1″	Single Poppet Foot Valve	1¼ lbs.	3.65
		1¼″	Single Poppet Foot Valve	1½ lbs.	5.70
		1½″	Single Poppet Foot Valve	2¾ lbs.	7.14
		2″	Single Poppet Foot Valve	4¼ lbs.	10.91
		2½″	Single Poppet Foot Valve	6¾ lbs.	22.48
		3″	Single Poppet Foot Valve	10¾ lbs.	26.49
		4″	Single Poppet Foot Valve	19¾ lbs.	59.49
438V	28	1½″	Single Foot Valve with No. 847 Water-Locking Valve	4¼ lbs.	18.54
		2″	Single Foot Valve with No. 847 Water-Locking Valve	5¾ lbs.	23.66
		2½″	Single Foot Valve with No. 847 Water-Locking Valve	10¾ lbs.	60.67
		3″	Single Foot Valve with No. 847 Water-Locking Valve	15 lbs.	63.59
		4″	Single Foot Valve with No. 847 Water-Locking Valve	27 lbs.	147.38
439	27	½″	Double Poppet Foot Valve	1 lb.	5.05
		¾″	Double Poppet Foot Valve	1¼ lbs.	5.40
		1″	Double Poppet Foot Valve	1¾ lbs.	6.20
		1¼″	Double Poppet Foot Valve	2¼ lbs.	8.45
		1½″	Double Poppet Foot Valve	4 lbs.	11.33
		2″	Double Poppet Foot Valve	6 lbs.	15.82
		2½″	Double Poppet Foot Valve	9¾ lbs.	33.42
		3″	Double Poppet Foot Valve	15½ lbs.	39.28
		4″	Double Poppet Foot Valve	28¼ lbs.	89.29
439V	28	1½″	Double Foot Valve with No. 847 Water-Locking Valve	5½ lbs.	23.02
		2″	Double Foot Valve with No. 847 Water-Locking Valve	7½ lbs.	28.78
		2½″	Double Foot Valve with No. 847 Water-Locking Valve	13¾ lbs.	72.24
		3″	Double Foot Valve with No. 847 Water-Locking Valve	19¼ lbs.	77.80
		4″	Double Foot Valve with No. 847 Water-Locking Valve	35 lbs.	178.62
	27	1¼″	Springs, Each, for Nos. 425, 438, 439 and 550		.31
		1½″	Springs, Each, for Nos. 425, 438, 439 and 550		.31
		2″	Springs, Each, for Nos. 425, 438, 439 and 550		.42

Item No.	Catalog Page No.	Size		Net Wt.	Price
440	23	2″	Fill Cap	2½ lbs.	$ 1.25
		2½″	Fill Cap	3¼ lbs.	1.63
		3″	Fill Cap	4½ lbs.	1.97
		3½″	Fill Cap	5 lbs.	3.96
441	33	6″ x 4″	Iron Double Tapped Tank Bushing	9¾ lbs.	6.64
		6″ x 3½″	Iron Double Tapped Tank Bushing	12¾ lbs.	6.64
		6″ x 3″	Iron Double Tapped Tank Bushing	14¼ lbs.	6.64
		5″ x 4″	Iron Double Tapped Tank Bushing	6½ lbs.	5.07
		5″ x 3″	Iron Double Tapped Tank Bushing	10½ lbs.	5.07
		4″ x 3″	Iron Double Tapped Tank Bushing	4¾ lbs.	1.97
		4″ x 2½″	Iron Double Tapped Tank Bushing	4 lbs.	1.97
		4″ x 2″	Iron Double Tapped Tank Bushing	4¾ lbs.	1.97
		4″ x 1½″	Iron Double Tapped Tank Bushing	5½ lbs.	1.97
		4″ x 1¼″	Iron Double Tapped Tank Bushing	5 lbs.	1.97
		4″ x 1″	Iron Double Tapped Tank Bushing	5½ lbs.	1.97
		3½″ x 3″	Iron Double Tapped Tank Bushing	2¾ lbs.	1.52
		3½″ x 2½″	Iron Double Tapped Tank Bushing	3 lbs.	1.52
		3½″ x 2″	Iron Double Tapped Tank Bushing	3½ lbs.	1.52
		3½″ x 1½″	Iron Double Tapped Tank Bushing	3½ lbs.	1.52
		3½″ x 1¼″	Iron Double Tapped Tank Bushing	3¾ lbs.	1.52
		3½″ x 1″	Iron Double Tapped Tank Bushing	4 lbs.	1.52
		3½″ x ¾″	Iron Double Tapped Tank Bushing	4 lbs.	1.52
		3″ x 2″	Iron Double Tapped Tank Bushing	2¼ lbs.	1.33
		3″ x 1½″	Iron Double Tapped Tank Bushing	2½ lbs.	1.33
		3″ x 1¼″	Iron Double Tapped Tank Bushing	3 lbs.	1.33
		3″ x 1″	Iron Double Tapped Tank Bushing	3½ lbs.	1.33
		3″ x ¾″	Iron Double Tapped Tank Bushing	3¼ lbs.	1.33
		2½″ x 2″	Iron Double Tapped Tank Bushing	1¼ lbs.	1.08
		2½″ x 1½″	Iron Double Tapped Tank Bushing	1½ lbs.	1.08
		2½″ x 1¼″	Iron Double Tapped Tank Bushing	1½ lbs.	1.08
		2½″ x 1″	Iron Double Tapped Tank Bushing	1¾ lbs.	1.08
		2½″ x ¾″	Iron Double Tapped Tank Bushing	1¾ lbs.	1.08
		2″ x 1½″	M. Iron Double Tapped Tank Bushing	¾ lb.	1.21

Item No.	Catalog Page No.	Size		Net Wt.	Price
		2" x 1¼"	Iron Double Tapped Tank Bushing	¾ lb.	$ .90
		2" x 1"	Iron Double Tapped Tank Bushing	1¼ lb.	.90
		2" x ¾"	Iron Double Tapped Tank Bushing	1½ lbs.	.90
		2" x ½"	Iron Double Tapped Tank Bushing	1½ lbs.	.90
		1½" x 1¼"	Iron Double Tapped Tank Bushing	½ lb.	.86
		1½" x 1"	Iron Double Tapped Tank Bushing	¾ lb.	.86
		1½" x ¾"	Iron Double Tapped Tank Bushing	½ lb.	.86
		1½" x ½"	Iron Double Tapped Tank Bushing	1 lb.	.86
		1¼" x ⅜"	Iron Double Tapped Tank Bushing	1 lb.	.86
		1" x ½"	Iron Double Tapped Tank Bushing	¼ lb.	.68
442	33	1½"	Suction Stub Strainer	½ lb.	3.31
		2"	Suction Stub Strainer	¾ lb.	3.85
443	32	1¼"	Brass Single Poppet Angle Check Valve	2¼ lbs.	8.32
		1½"	Brass Single Poppet Angle Check Valve	3½ lbs.	9.50
		1¼"	Springs, Each		.31
		1½"	Springs, Each		.31
443X	50	1¼"	Back Pressure Valve	2¼ lbs.	8.60
		1½"	Back Pressure Valve	3½ lbs.	9.79
		2"	Back Pressure Valve	5 lbs.	15.52
444	30	1"	Swing Check Valve	1¾ lbs.	4.55
		1½"	Swing Check Valve	3¼ lbs.	7.75
		2"	Swing Check Valve	4¼ lbs.	11.02
449	20	2"	Quick Opening Fill Box	8¼ lbs.	8.75
		2½"	Quick Opening Fill Box	10¼ lbs.	11.08
		3"	Quick Opening Fill Box	14¼ lbs.	13.88
		4"	Quick Opening Fill Box	19¼ lbs.	23.01
450	20	2"	Lock Type Flush Fill Box	6¾ lbs.	8.75
		2½"	Lock Type Flush Fill Box	9½ lbs.	11.08
		3"	Lock Type Flush Fill Box	13 lbs.	13.88
452	20	2"	Plain Flush Fill Box	4½ lbs.	3.04
		2½"	Plain Flush Fill Box	6 lbs.	3.89
		3"	Plain Flush Fill Box	7¼ lbs.	5.39
		3½"	Plain Flush Fill Box	8 lbs.	8.02
		4"	Plain Flush Fill Box	10¾ lbs.	10.94
		6"	Plain Flush Fill Box, less Wrench	13¾ lbs.	14.87
		8"	Plain Flush Fill Box, less wrench (Requires No. 692 Wrench)	25 lbs.	44.93
454	32	1½"	Iron S. P. Angle Check Valve.	5¼ lbs.	6.59
		2"	Iron S. P. Angle Check Valve.	8¾ lbs.	12.80
		3"	Iron S. P. Angle Check Valve.	15 lbs.	37.18
454A	32	1½"	Iron S. P. Angle Check Valve.	8 lbs.	$ 8.01
		2"	Iron S. P. Angle Check Valve.	11½ lbs.	13.49
		1½"	Springs, Each		.31
		2"	Springs, Each		.42
461	20	2"	Combination Fill Box	8¼ lbs.	8.75
		2½"	Combination Fill Box	10¾ lbs.	11.08
		3"	Combination Fill Box	14½ lbs.	13.88
		4"	Combination Fill Box	19½ lbs.	23.01
462	19	1"	Dry Hose Nozzle	1 lb.	3.47
463	16	1¼"	Flexible Tube, Complete	12 oz.	3.03
			Tubing and Ferrule Only		1.71
			Adapter Only		1.02
464	31	1½"	Iron D.P. Angle Check Valve.	10 lbs.	12.65
		2"	Iron D.P. Angle Check Valve.	12¼ lbs.	17.60
464A	31	1½"	Iron D.P. Angle Check Valve.	13¼ lbs.	13.15
		2"	Iron D. P. Angle Check Valve.	15½ lbs.	19.77
		1½"	Assembly for Nos. 464 or 464A	1¾ lbs.	6.23
		2"	Assembly for Nos. 464 or 464A	2¼ lbs.	7.32
465-1	21		Wrench for No. 650 -2"	1¼ lbs.	1.00
465-2	21, 32		Wrench for No. 650 -2½" and Nos. 464 and 464A 1½"	1½ lbs.	1.00
465-3	21		Wrench for No. 650 -3"	1½ lbs.	1.00
465-4	32		Wrench for Nos. 464 and 464A-2"	1½ lbs.	1.00
466	34	1½"	Foot Valve Extractor Fitting.	22 lbs.	22.87
		2"	Foot Valve Extractor Fitting.	22 lbs.	22.87
467	34	1½" or 2"	Wrench for Nos. 660 and 670 Installations.	9¼ lbs.	7.98
468	19	¾"	Dry Hose Nozzle	1¼ lbs.	1.92
		1"	Dry Hose Nozzle	1¾ lbs.	2.35
471	54	¾"	By-Pass Pressure Relief Valve	1¼ lbs.	9.44
		1"	By-Pass Pressure Relief Valve	2 lbs.	12.16
		1¼"	By-Pass Pressure Relief Valve	2¾ lbs.	16.81
		1½"	By-Pass Pressure Relief Valve	3¼ lbs.	23.46
		2"	By-Pass Pressure Relief Valve	5 lbs.	30.11
		2½"	By-Pass Pressure Relief Valve	9 lbs.	46.01
		3"	By-Pass Pressure Relief Valve	12½ lbs.	62.67
		4"	By-Pass Pressure Relief Valve	21 lbs.	95.13
473	51	1"	Pedestal Pump Strainer	4 lbs.	8.09
475	39	⅛"	Vertical Vacuum Breaker	2 oz.	1.64

Item No.	Catalog Page No.	Size		Net Wt.	Price
483X	11	1" or 1¼"	Fuel Oil Delivery Nozzle with No. 691-2 -6" Straight Rigid Tube, Less Check	4½ lbs.	$10.64
		1" or 1¼"	Fuel Oil Delivery Nozzle with No. 463 -10" Flexible Tube, Less Check..	4½ lbs.	11.37
486	9	1" or 1¼"	Hose Nozzle Valve with No. 691-2 Straight Rigid Tube	4½ lbs.	9.20
		1" or 1¼"	Hose Nozzle Valve with No. 806 Flexible Tube..	4½ lbs.	9.84
550	30	½"	D.P. Vertical Check Valve....	1 lb.	5.05
		¾"	D.P. Vertical Check Valve....	1¼ lbs.	5.40
		1"	D.P. Vertical Check Valve....	1¾ lbs.	6.41
		1¼"	D.P. Vertical Check Valve....	2½ lbs.	8.45
		1½"	D.P. Vertical Check Valve....	4 lbs.	11.33
		2"	D.P. Vertical Check Valve....	6¼ lbs.	15.82
		2½"	D.P. Vertical Check Valve....	11¾ lbs.	33.42
		3"	D.P. Vertical Check Valve....	16¾ lbs.	39.28
		4"	D.P. Vertical Check Valve....	30 lbs.	89.29
551	18	1" x 1¼"	Reducer	6 oz.	2.33
		1¼" x 1½"	Reducer	6 oz.	3.06
		1½" x 2"	Reducer	14 oz.	3.52
554	55	½"	Small, Single Swing Joint...	¾ lb.	5.93
		¾"	Small, Single Swing Joint...	1 lb.	7.17
556	37	¼"	Globe Air Check Valve.....	½ lb.	3.37
		⅜"	Globe Air Check Valve.....	½ lb.	3.73
		½"	Globe Air Check Valve.....	1 lb.	4.15
		¾"	Globe Air Check Valve.....	1½ lbs.	5.45
		1"	Globe Air Check Valve.....	2¼ lbs.	7.50
559	35	1½"	Angle Check Valve Extractor Fitting	12¾ lbs.	22.95
			Inside Assembly	1¾ lbs.	6.51
		2"	Angle Check Valve Extractor Fitting	16¼ lbs.	24.60
			Inside Assembly	2 lbs.	7.69
559A	35	1½"	Angle Check Valve Extractor Fitting, Less Strainer	17½ lbs.	23.46
			Inside Assembly, Less Strainer	1¾ lbs.	6.51
		2"	Angle Check Valve Extractor Fitting, Less Strainer	20¾ lbs.	25.66
			Inside Assembly, Less Strainer	2 lbs.	7.69
559AS	35	1½"	Angle Check Valve Extractor Fitting with Strainer	18 lbs.	24.80
			Inside Assembly with Strainer	2¼ lbs.	8.55
			Strainer Only	½ lb.	2.02
		2"	Angle Check Valve Extractor Fitting with Strainer	21¾ lbs.	27.47
			Inside Assembly with Strainer	3 lbs.	10.38
			Strainer Only	1 lb.	2.71
559B	35	2"	Outlet with 1½" Inlet and 3½" Male Thread Angle Check Valve Extractor Fitting, Less Strainer	19½ lbs.	25.66
		2"	Outlet with 1½" Inlet and 4" Male Thread Angle Check Valve Extractor Fitting, Less Strainer	20¾ lbs.	$25.66
			Inside Assembly, Less Strainer	2 lbs.	7.69
559BS	35	2"	Outlet with 1½" Inlet and 3½" Male Thread Angle Check Valve Extractor Fitting with Strainer	19¾ lbs.	27.47
		2"	Outlet with 1½" Inlet and 4" Male Thread Angle Check Valve Extractor Fitting with Strainer	21 lbs.	27.47
			Inside Assembly with Strainer	2¼ lbs.	10.38
			Strainer Only	¼ lb.	2.71
560	34, 35	1½" or 2"	Wrench for Nos. 680, 740, 825 and 853 Installations ..	7½ lbs.	7.98
561	19	½"	Grease Nozzle Valve.....	1¾ lbs.	9.67
		¾"	Grease Nozzle Valve.....	1¾ lbs.	9.67
568	28	1"	Vertical Check and Relief Valve	2¾ lbs.	11.69
570	51	1½"	Unloading Nozzle	2¼ lbs.	5.50
		2"	Unloading Nozzle	2¾ lbs.	6.83
570A	51	2"	Unloading Nozzle	3½ lbs.	8.48
		2½"	Unloading Nozzle	4 lbs.	9.78
571	21	2"	Manhole and Fill Box.....	11½ lbs.	11.10
		2½"	Manhole and Fill Box.....	13¼ lbs.	12.15
		3"	Manhole and Fill Box.....	16½ lbs.	15.35
		3½"	Manhole and Fill Box.....	22 lbs.	18.37
		4"	Manhole and Fill Box.....	24¼ lbs.	20.15
577	33	1½"	Suction Stub Strainer.....	1½ lbs.	3.45
		2"	Suction Stub Strainer.....	2½ lbs.	4.57
581	16	1⅛"	Flexible Tube, Complete....	12 oz.	2.88
			Tubing and Ferrule Only.....		1.71
			Adapter Only		.85
582	33	1½" x 1½"	Galvanized Iron Union Elbow	3 lbs.	5.34
		2" x 2"	Galvanized Iron Union Elbow	4¾ lbs.	7.43
583B	25	7½" x 2⅝"	Cast Iron Manhole...	13¾ lbs.	4.99
		9" x 2⅝"	Cast Iron Manhole...	19½ lbs.	10.71
584	37	3"	Extractor Pipe Cap (Brass)...	1¼ lbs.	3.35
		3½"	Extractor Pipe Cap (Brass)...	1¼ lbs.	3.90
		4"	Extractor Pipe Cap (Brass)...	2 lbs.	6.00
		6"	Extractor Pipe Cap (Brass)...	5¼ lbs.	11.10
584B		4"	Extractor Pipe Cap (Brass)...	2 lbs.	3.90
584-I		6"	Extractor Pipe Cap (Iron)....	4¾ lbs.	5.65
586	19	1"	Dry Hose Nozzle.....	1¼ lbs.	2.21

Item No.	Catalog Page No.	Size		Net Wt.	Price
589D	18	1″	Outlet Check Valve	1 lb.	$ 1.84
	18	1¼″	Outlet Check Valve	1¼ lbs.	2.88
	18, 50	1½″	Outlet Check Valve	1¾ lbs.	4.31
	50	2″	Outlet Check Valve	2½ lbs.	8.34
591	18	1″ x ¾″	Inlet Check Valve	½ lb.	2.50
		1″ x 1″	Inlet Check Valve	½ lb.	2.50
		1″ x 1¼″	Inlet Check Valve	¾ lb.	2.50
		1¼″ x 1¼″	Inlet Check Valve	1 lb.	2.50
		1½″ x 1¼″	Inlet Check Valve	1 lb.	3.83
		1½″ x 1½″	Inlet Check Valve	1 lb.	4.31
		2″ x 2″	Inlet Check Valve	2¼ lbs.	9.17
		2½″ x 2½″	Inlet Check Valve	4½ lbs.	12.72
592B	25	7½″ x 7″	Cast Iron Manhole	21½ lbs.	7.46
593	16	1 3/32″	Flexible Tube Less Flange, for Wayne	12 oz.	3.06
600A	41	1½″	Single Brass Swing Joint	6¼ lbs.	10.23
		2″	Single Brass Swing Joint	8 lbs.	14.10
		2½″	Single Brass Swing Joint	10¼ lbs.	17.75
		3″	Single Brass Swing Joint	14½ lbs.	27.60
601A	41	2″	Double Brass Swing Joint	14 lbs.	23.50
		2½″	Double Brass Swing Joint	17¾ lbs.	28.15
		3″	Double Brass Swing Joint	23 lbs.	43.55
602A	41	1¼″	Single Malleable Iron Swing Joint	6¼ lbs.	9.10
		1½″	Single Malleable Iron Swing Joint	6¼ lbs.	10.25
		2″	Single Malleable Iron Swing Joint	10½ lbs.	14.10
		2½″	Single Malleable Iron Swing Joint	14¼ lbs.	17.75
		3″	Single Malleable Iron Swing Joint	19½ lbs.	27.60
603A	41	1¼″	Double Malleable Iron Swing Joint	9 lbs.	13.40
		1½″	Double Malleable Iron Swing Joint	9 lbs.	15.00
		2″	Double Malleable Iron Swing Joint	18¼ lbs.	23.50
		2½″	Double Malleable Iron Swing Joint	25¼ lbs.	28.15
		3″	Double Malleable Iron Swing Joint	33 lbs.	43.55
605 or 605L	45	1½″	Tank Truck Faucet, Less Cap, Less Wrench	5½ lbs.	12.63
		2″	Tank Truck Faucet, Less Cap, Less Wrench	7¼ lbs.	16.26
		1½″	Tank Truck Faucet, With Cap, Less Wrench	6 lbs.	13.88
		2″	Tank Truck Faucet, With Cap, Less Wrench	8¼ lbs.	17.89
605D	45	1½″	Dust Cap for No. 605	½ lb.	$ 1.25
		2″	Dust Cap for Nos. 605, 688 and 688S	1 lb.	1.63
		2½″	Dust Cap for No. 688	2 lbs.	2.76
		3″	Dust Cap for No. 688	2¾ lbs.	4.83
606	51		Bucket Counter	½ lb.	2.97
607	38	2″	Storage Tank Vent Valve	4¾ lbs.	18.25
608	52	5″ x 2″	Tank Car Elbow—Includes Wrench (Male)	11¾ lbs.	22.83
		5″ x 2½″	Tank Car Elbow—Includes Wrench (Male)	12½ lbs.	25.33
		5″ x 3″	Tank Car Elbow—Includes Wrench (Male)	12¾ lbs.	28.92
		5″ x 4″	Tank Car Elbow—Includes Wrench (Male)	15¼ lbs.	33.98
609	52	5″ x 2″	Tank Car Elbow—Includes Wrench (Female)	12½ lbs.	22.83
		5″ x 2½″	Tank Car Elbow—Includes Wrench (Female)	13 lbs.	25.33
		5″ x 3″	Tank Car Elbow—Includes Wrench (Female)	14 lbs.	28.92
610	52		Wrench Only	4 lbs.	3.43
611	52	2″	Union Wrench Coupling	4 lbs.	9.89
		2½″	Union Wrench Coupling	6¼ lbs.	18.29
		3″	Union Wrench Coupling	7¾ lbs.	28.75
613	52	1″	Anti-Freeze Drain Valve	1½ lbs.	6.77
		2″	Anti-Freeze Drain Valve	4¾ lbs.	18.11
614	49	4″	Dome Cover	5 lbs.	7.56
		6″	Dome Cover	6¾ lbs.	8.86
616B	45		Wrench	1¼ lbs.	1.97
618	28	1½″	Single Poppet Foot Valve	3 lbs.	7.91
		2″	Single Poppet Foot Valve	4¼ lbs.	11.92
619	28	1½″	Double Poppet Foot Valve	4½ lbs.	12.90
		2″	Double Poppet Foot Valve	6¼ lbs.	17.84
620	32	1½″	Composition Disc Angle Check Valve	5¼ lbs.	7.40
		2″	Composition Disc Angle Check Valve	9 lbs.	13.90
620A	32	1½″	Composition Disc Angle Check Valve	8¼ lbs.	8.49
		2″	Composition Disc Angle Check Valve	11¾ lbs.	14.55
622	24	2″	Fill Pipe Strainer	4 oz.	2.18
		2½″	Fill Pipe Strainer	5 oz.	2.97
		3″	Fill Pipe Strainer	7 oz.	3.18
		3½″	Fill Pipe Strainer	8 oz.	5.68
		4″	Fill Pipe Strainer	10 oz.	6.93

Item No.	Catalog Page No.	Size		Net Wt.	Price
623	20	2"	Light Weight Fill Box	2½ lbs.	$ 2.51
624	18	¾" x ¾"	Inlet Check Valve	7 oz.	2.53
		1" x 1"	Inlet Check Valve	8 oz.	2.53
625	18	1"	Inlet Hose Strainer	¾ lb.	4.18
		1¼"	Inlet Hose Strainer	1¼ lbs.	10.18
		1½"	Inlet Hose Strainer	1½ lbs.	11.23
626	18	1"	Check Valve and Strainer	1 lb.	5.40
		1¼"	Check Valve and Strainer	1½ lbs.	11.69
		1½"	Check Valve and Strainer	1¾ lbs.	12.88
627	23	2"	Fill Cap	2 lbs.	2.51
628	23	2"	Hinged Fill Cap	1¾ lbs.	1.14
		2½"	Hinged Fill Cap	2½ lbs.	1.48
		3"	Hinged Fill Cap	3½ lbs.	1.79
		4"	Hinged Fill Cap	4½ lbs.	3.88
628A	23	2"	Fill Cap, Male Thread	2 lbs.	1.25
629A	41	2"	Straight Malleable Iron Galvanized Swing Joint	10½ lbs.	14.10
		2½"	Straight Malleable Iron Galvanized Swing Joint	13¾ lbs.	17.74
		3"	Straight Malleable Iron Galvanized Swing Joint	16 lbs.	27.60
630-1	16	1⅛"	Curved Rigid Tube	10 oz.	2.11
630-2		1¼"	Curved Rigid Tube	13 oz.	2.28
630B-1	16	1⅛"	Curved Rigid Tube with Lock Nut Only, Chrome Plated	9 oz.	2.04
			Curved Rigid Tube Only, Chrome Plated		1.57
			Lock Nut Only, Chrome Plated		.47
630B-2	17	1⅜"	Curved Rigid Tube with Lock Nut Only, Plated	1 lb.	2.86
			Curved Rigid Tube Only, Plated		2.40
			Lock Nut Only, Plated		.46
631 or 631B	38	¾"	Double Opening "T" Vent, Iron	1 lb.	1.09
		1"	Double Opening "T" Vent, Iron	1 lb.	1.09
		1¼"	Double Opening "T" Vent, Iron	1¼ lbs.	1.53
		1½"	Double Opening "T" Vent, Iron	2 lbs.	1.68
		2"	Double Opening "T" Vent, Iron	2¼ lbs.	2.21
632	22	2"	Fill Cap	2¼ lbs.	3.21
		2½"	Fill Cap	3 lbs.	3.70
		3"	Fill Cap	4 lbs.	4.07
		3½"	Fill Cap	5¾ lbs.	5.41
		4"	Fill Cap	7¼ lbs.	7.59
633	33	1½" x 1½"	Galvanized Iron Ground Joint Union	2 lbs.	$ 3.70
		2" x 2"	Galvanized Iron Ground Joint Union	3¼ lbs.	4.61
635	37	¼"	Air Safety Valve	3 oz.	3.05
			Add for Chromium Plating		.57
636	37	¼"	Air Safety Valve	4 oz.	5.12
			Add for Chromium Plating		.57
638	27	1½"	Single Poppet Foot Valve	3¼ lbs.	8.09
		2"	Single Poppet Foot Valve	4¾ lbs.	12.39
639	27	1½"	Double Poppet Foot Valve	4½ lbs.	12.30
		2"	Double Poppet Foot Valve	6½ lbs.	17.27
646	51	1½"	Unloading Nozzle Complete	2½ lbs.	6.16
		2"	Unloading Nozzle Complete	3¾ lbs.	8.18
		1½"	Elbow Only	1½ lbs.	3.60
		2"	Elbow Only	2¼ lbs.	5.26
646A-9	51	2" x 1½"	Unloading Nozzle Complete	3¾ lbs.	10.28
646A	51	2" x 1½"	Adapter Only	½ lb.	2.46
646AT	51	2" x 1½"	Adapter with Tube Only	1½ lbs.	5.02
646T	51	1½"	Tube Only—1½" O.D.	1 lb.	2.56
		2"	Tube Only—1⅞" O.D.	1½ lbs.	2.92
650	21	2"	Fill and Gauge Box	5 lbs.	8.68
		2½"	Fill and Gauge Box	6½ lbs.	9.59
		3"	Fill and Gauge Box	7¼ lbs.	10.60
651	9	1"	Hose Nozzle Valve Less Tube, Less Flange	3 lbs.	7.51
		1¼"	Hose Nozzle Valve Less Tube, Less Flange	3¼ lbs.	7.51
		1"	Hose Nozzle Valve with No. 691-1 Straight Rigid Tube	3¾ lbs.	8.39
		1¼"	Hose Nozzle Valve with No. 691-1 Straight Rigid Tube	4 lbs.	8.39
		1"	Hose Nozzle Valve with No. 581 Flexible Tube, Less Flange	3¾ lbs.	9.51
		1¼"	Hose Nozzle Valve with No. 581 Flexible Tube, Less Flange	4 lbs.	9.51
		1"	Hose Nozzle Valve with No. 581 Flexible Tube, With Flange	3¾ lbs.	10.03
		1¼"	Hose Nozzle Valve with No. 581 Flexible Tube, With Flange	4 lbs.	10.03
654	22	2"	Watertight Fill Cap	1¾ lbs.	5.05
		2½"	Watertight Fill Cap	3 lbs.	5.55
		3"	Watertight Fill Cap	4¼ lbs.	6.65
		4"	Watertight Fill Cap	7 lbs.	11.30
655A	36	1½"	Double Poppet Angle Check Valve Extractor Fitting Less Strainer	13¾ lbs.	18.44
			Inside Assembly Less Strainer	1 lb.	6.51

Item No.	Catalog Page No.	Size		Net Wt.	Price
655AS	36	1½"	Double Poppet Angle Check Valve Extractor Fitting With Strainer	14 lbs.	$19.30
			Inside Assembly With Strainer	1¼ lbs.	7.88
			Strainer Only	4 oz.	1.35
656A	36	1½"	Single Poppet Angle Check Valve Extractor Fitting Less Strainer	13½ lbs.	16.89
			Inside Assembly Less Strainer	¾ lb.	6.51
656AS	36	1½"	Single Poppet Angle Check Valve Extractor Fitting With Strainer	13¾ lbs.	17.70
			Inside Assembly With Strainer	1 lb.	7.88
			Strainer Only	4 oz.	1.35
657	36		Wrench for No. 700AS Installation	7 lbs.	7.98
658C	40	2"	Line Loading Valve	11¼ lbs.	41.34
		2½"	Line Loading Valve	15½ lbs.	52.48
		3"	Line Loading Valve	23 lbs.	73.14
		*4"	Line Loading Valve	66½ lbs.	207.61
*Available in either Brass or Aluminum					
659	25	7½" x 4"	Cast Iron Manhole	20 lbs.	6.64
		10" x 4"	Cast Iron Manhole	33 lbs.	11.42
660	34	1½"	Foot Valve Extractor Installation Complete	48¼ lbs.	35.98
		2"	Foot Valve Extractor Installation Complete	48¼ lbs.	35.98
			The above consists of:		
592B		7½"	Manhole	21½ lbs.	7.46
584-I		6"	Extractor Pipe Cap (Iron)	4¾ lbs.	5.65
466		1½"	Extractor Fitting	22 lbs.	22.87
			or		
		2"	Extractor Fitting	22 lbs.	22.87
661	30	1½"	Double Poppet Vertical Check Valve	4½ lbs.	13.60
		2"	Double Poppet Vertical Check Valve	6½ lbs.	17.84
662	51	2"	Tank Truck Unloading Nozzle Complete with 1⅝" O.D. Tube	5¾ lbs.	10.20
		2"	Tank Truck Unloading Nozzle Complete with 1⅞" O.D. Tube	5½ lbs.	10.51
		2"	Tank Truck Unloading Nozzle Complete with 2¼" O.D. Tube	6 lbs.	11.90
662A	51		Adapter Only for 1⅝" O.D. Tube	1½ lbs.	2.63
			Adapter Only for 1⅞" O.D. Tube	1 lb.	2.63
			Adapter Only for 2¼" O.D. Tube	1¼ lbs.	2.63
662E	51	2"	Elbow Only	2¾ lbs.	5.08
662AT	51		Adapter and 1⅝" O.D. Tube Only	3 lbs.	$ 5.12
			Adapter and 1⅞" O.D. Tube Only	2¾ lbs.	5.43
			Adapter and 2¼" O.D. Tube Only	3¼ lbs.	6.82
662T	51		1⅝" O.D. Tube Only	1½ lbs.	2.49
			1⅞" O.D. Tube Only	1¾ lbs.	2.80
			2¼" O.D. Tube Only	2 lbs.	4.19
663	55		Barrel Bung Remover	2½ lbs.	4.21
667-5	18		Brass Outlet Adapter	1 lb.	4.53
667-6			Brass Outlet Adapter	1¾ lbs.	6.36
668	18	1" x ¾"	Brass Bushing	2 oz.	.96
		1¼" x 1"	Brass Bushing	5 oz.	1.53
		1½" x 1¼"	Brass Bushing	6 oz.	1.70
6094	18	1" x ¾"	Iron Bushing	3 oz.	.40
669	43	1½"	Bottom-Opening Line Strainer with 20- to 80-Mesh Screen	8½ lbs.	12.51
		2"	Bottom-Opening Line Strainer with 20- to 80-Mesh Screen	11½ lbs.	15.79
		2½"	Bottom-Opening Line Strainer with 20- to 80-Mesh Screen	15¼ lbs.	20.49
		3"	Bottom-Opening Line Strainer with 20- to 80-Mesh Screen	21¼ lbs.	30.19
See Parts Price List (Page 21) for other mesh screens					
670	34	1½"	Foot Valve Extractor Installation Complete	35¾ lbs.	37.74
		2"	Foot Valve Extractor Installation Complete	35¾ lbs.	37.74
			The above consists of:		
452		6"	Flush Box	13¾ lbs.	14.87
466		1½"	Extractor Fitting	22 lbs.	22.87
			or		
		2"	Extractor Fitting	22 lbs.	22.87
671	30	1½"	Single Poppet Vertical Check Valve	3¼ lbs.	7.91
		2"	Single Poppet Vertical Check Valve	4¼ lbs.	11.92
672C	40	2"	Angle Loading Valve	11¼ lbs.	41.34
		2½"	Angle Loading Valve	16¼ lbs.	52.48
		3"	Angle Loading Valve	23¼ lbs.	73.14
676	49	6"	Dome Cover	14¼ lbs.	22.48
677	34	1½"	Foot Valve Extractor Fitting	17¼ lbs.	19.60
677C	34	1½"	Foot Valve Extractor Fitting	17¼ lbs.	19.60
679-1	19	1¼"	Coupling Nozzle Assembly Complete, I.P.T.	2¾ lbs.	8.32
679-3		1½"	Coupling Nozzle Assembly Complete, I.P.T.	3 lbs.	8.32

Item No.	Catalog Page No.	Size		Net Wt.	Price
680	35	1½"	Angle Check Valve Extractor Installation Complete	35½ lbs.	$34.31
			The above consists of:		
592B		7½"	Manhole	21½ lbs.	7.46
584		3½"	Extractor Pipe Cap (Brass)	1¼ lbs.	3.90
559		1½"	Extractor Fitting	12¾ lbs.	22.95
680		2"	Angle Check Valve Extractor Installation Complete	39¾ lbs.	38.06
			The above consists of:		
592B		7½"	Manhole	21½ lbs.	7.46
584		4"	Extractor Pipe Cap (Brass)	2 lbs.	6.00
559		2"	Extractor Fitting	16¼ lbs.	24.60
685	28	1½"	Vertical Union Check Valve	3½ lbs.	11.70
686	33	2" x 1½"	Brass Double Tapped Tank Bushing	1 lb.	2.70
688	45	2"	Tank Truck Faucet, Less Cap, Less Wrench	9½ lbs.	20.67
		2½"	Tank Truck Faucet, Less Cap, Less Wrench	18½ lbs.	32.27
		*3"	Tank Truck Faucet, Less Cap, Less Wrench	27¾ lbs.	55.83
*Available in Brass or Aluminum					
688S	45	2"	Tank Truck Faucet, Less Cap, Less Wrench	10¼ lbs.	20.67
689	45	2"	Wrench for Nos. 688, 688S and 694B Tank Truck Faucets	1¼ lbs.	1.97
		2½"	Wrench for Nos. 688 and 694B Tank Truck Faucets	1¾ lbs.	2.56
		3"	Wrench for Nos. 688 and 694B Tank Truck Faucets	2 lbs.	3.15
		4"	Wrench for No. 694B Tank Truck Faucet	2½ lbs.	3.94
691-1	16	1⅛"	Straight Rigid Tube	10 oz.	1.50
691-2	16	1¼"	Straight Rigid Tube	10 oz.	1.50
691-3	17	1"	I.P.T. Straight Rigid Tube	1 lb.	2.22
691-4	17	1¼"	I.P.T. Straight Rigid Tube	1½ lbs.	3.11
691-5	17	1½"	I.P.T. Straight Rigid Tube	1¾ lbs.	4.15
691-6	17	2¼"	Straight Rigid Tube	1½ lbs.	7.18
691-7	17	3"	Straight Rigid Tube	3 lbs.	9.54
691-8	17	1¼"	I.P.T. Both Ends—Straight Rigid Tube	1½ lbs.	3.11
691-9	17	1½"	I.P.T. Both Ends—Straight Rigid Tube	1¾ lbs.	4.15
691B-1	17	1⅜"	Straight Rigid Tube with Lock Nut Only, Plated	1 lb.	2.86
			Straight Rigid Tube Only, Plated		2.40
			Lock Nut Only, Plated		.46
692	20		Wrench for No. 452 -6" and 8" Fill Box	4¾ lbs.	4.83

Item No.	Catalog Page No.	Size		Net Wt.	Price
694	40	2"	Straight Line Loading Valve with Lever	11 lbs.	$25.63
		2½"	Straight Line Loading Valve with Lever	20¼ lbs.	41.44
		*3"	Straight Line Loading Valve with Lever	26¼ lbs.	67.41
		*4"	Straight Line Loading Valve with Lever	37 lbs.	84.26
694B	40	2"	Straight Line Faucet with Lever	10¾ lbs.	22.64
		2½"	Straight Line Faucet with Lever	18½ lbs.	34.83
		*3"	Straight Line Faucet with Lever	24 lbs.	58.98
		*4"	Straight Line Faucet with Lever	34¾ lbs.	73.73
*Available in either Brass or Aluminum					
695	39	1½" x 2" x 2"	Hose Reel Elbow	2¾ lbs.	4.97
696F	40	2"	Automatic Safety Lever, Fusible Metal, for Loading Valves	2½ lbs.	3.34
		2½"	Automatic Safety Lever, Fusible Metal, for Loading Valves	2¾ lbs.	3.83
		3"	Automatic Safety Lever, Fusible Metal, for Loading Valves	3 lbs.	4.57
699	37	¼"	Angle Air Check Valve	½ lb.	3.37
		⅜"	Angle Air Check Valve	½ lb.	3.73
		½"	Angle Air Check Valve	1 lb.	4.15
700AS	36	1½"	Angle Check Valve Extractor Installation with No. 655AS Double Poppet, Complete	27¾ lbs.	26.75
			or		
		1½"	Angle Check Valve Extractor Installation with No. 656AS Single Poppet, Complete	27½ lbs.	25.15
			The above consists of:		
717		8"	Manhole	12½ lbs.	4.10
584		3"	Extractor Pipe Cap (Brass)	1¼ lbs.	3.35
655AS		1½"	D.P. Extractor Fitting with Strainer	14 lbs.	19.30
656AS		1½"	S.P. Extractor Fitting with Strainer	13¾ lbs.	17.70
702	16	1⅛"	Curved Rigid Tube, Complete	9 oz.	2.36
			Rigid Tube Only		1.92
			Lock Nut Only		.44
706	31	1½"	Single Poppet Angle Check Valve, Iron	6¼ lbs.	9.35
706A	31	1½"	Single Poppet Angle Check Valve, Iron	9¼ lbs.	9.85
		1½"	Assembly for Nos. 706 or 706A	1 lb.	3.30

Item No.	Catalog Page No.	Size		Net Wt.	Price
709	53	1½"	Non-Rising Stem Gate Valve..	5½ lbs.	$10.80
		2"	Non-Rising Stem Gate Valve..	8 lbs.	16.05
		2½"	Non-Rising Stem Gate Valve..	13¾ lbs.	26.65
		3"	Non-Rising Stem Gate Valve..	17½ lbs.	37.35
709F	53	2"	Non-Rising Stem Gate Valve, Flanged	10 lbs.	23.25
		2½"	Non-Rising Stem Gate Valve, Flanged	17½ lbs.	35.95
		3"	Non-Rising Stem Gate Valve, Flanged	18¾ lbs.	48.55
713	32		Wrench for Nos. 706 and 706A —1½" Angle Check Valves..	2¾ lbs.	1.20
714A	54		Sludge Pump with Lever Handle	7½ lbs.	19.48
714S	54		Sludge Pump with Stirrup Handle	6¾ lbs.	19.48
717	25	8" x 3¼"	Cast Iron Manhole.....	12½ lbs.	4.10
		10" x 3¼"	Cast Iron Manhole.....	16 lbs.	6.67
		12" x 3¼"	Cast Iron Manhole.....	23 lbs.	9.94
		14" x 7"	Cast Iron Manhole.....	53 lbs.	17.85
719-8	56	2"	Round Companion Flange....	2¼ lbs.	5.08
719-7		2½"	Round Companion Flange....	2½ lbs.	5.67
719-6		3"	Round Companion Flange....	3¼ lbs.	6.14
719-I-4	56	2"	Round Companion Flange, Iron	5 lbs.	4.27
719-I-5		2½"	Round Companion Flange, Iron	6½ lbs.	4.88
719-I-6		3"	Round Companion Flange, Iron	8½ lbs.	5.08
719-I-7		4"	Round Companion Flange, Iron	14½ lbs.	10.67
721	39	⅛"	Vacuum Breaker.....	5 oz.	3.04
		¼"	Vacuum Breaker.....	5 oz.	3.04
		⅜"	Vacuum Breaker.....	1 lb.	4.15
		½"	Vacuum Breaker.....	1 lb.	4.54
722S	38	2"	2 oz. Storage Tank Vent Valve	14½ lbs.	24.99
			Extra 2 oz. Weight, Each....		.68
		3"	2 oz. Storage Tank Vent Valve	27¾ lbs.	59.35
			Extra 2 oz. Weight, Each....		1.23
723	54	1½" x 2"	Universal Bushing for ¾" Pipe.....	1½ lbs.	1.97
		1½" x 2"	Universal Bushing for 1" Pipe.....	1¼ lbs.	1.97
724	33	1½"	Suction Stub Strainer.....	1¼ lbs.	3.19
		2"	Suction Stub Strainer.....	1¾ lbs.	4.30
		3"	Suction Stub Strainer.....	2¾ lbs.	6.33
725A	21	2"	Manhole and Fill Box.....	20¾ lbs.	18.98
		2½"	Manhole and Fill Box.....	20¼ lbs.	18.98
		3"	Manhole and Fill Box.....	20 lbs.	18.98
		4"	Manhole and Fill Box.....	27 lbs.	27.61
726	23	2"	Gauge Box	4¼ lbs.	5.87

Item No.	Catalog Page No.	Size		Net Wt.	Price
728	16	1⅛"	Flexible Tube Complete.....12	oz.	$2.88
			Tubing and Ferrule Only.....		1.71
			Adapter Only		.85
729-3	56	2"	Square Companion Flange...	2¼ lbs.	3.99
729-4		2½"	Square Companion Flange...	3½ lbs.	5.06
729-5		3"	Square Companion Flange...	3½ lbs.	5.06
729B-3	56	2"	Square Blank Flange.....	2 lbs.	3.01
729B-4		2½"	Square Blank Flange.....	3 lbs.	3.54
729B-5		3"	Square Blank Flange.....	2¾ lbs.	3.54
730	21	2"	Fill Box with Removable Brass Nipple	9¼ lbs.	10.59
		2½"	Fill Box with Removable Brass Nipple 13½	lbs.	13.90
		3"	Fill Box with Removable Brass Nipple 16¾	lbs.	17.71
		4"	Fill Box with Removable Brass Nipple 19	lbs.	24.89
732	28	1½"	Union Check Valve.....	5 oz.	4.14
732B	28	1½"	Union Check Valve with Strainer	6 oz.	4.37
733	37	¼"	Globe Needle Valve.....	½ lb.	2.33
		⅜"	Globe Needle Valve.....	¾ lb.	2.60
		½"	Globe Needle Valve.....	1 lb.	3.30
740	34	1½"	Foot Valve Extractor Installation Complete.....40	lbs.	30.96
			The above consists of.		
592B		7½"	Manhole 21½	lbs.	7.46
584		3½"	Extractor Pipe Cap (Brass)..	1¼ lbs.	3.90
677		1½"	Extractor Fitting.....17¼	lbs.	19.60
740C	34		Same as No. 740 except use No. 584B -4" with No. 677C.40¾	lbs.	30.96
743X	9		Flange		.74
743W	9		Flange		.74
745	19	2¼"—28½"	Long Straight Rigid Tube for Nos. 782 and 882 -2".....	4¼ lbs.	10.25
750	29	1½"	Extractor Type Check Valve, less Union.....	4¾ lbs.	12.65
750A	29	1½"	Extractor Type Check Valve, with Union	5¾ lbs.	13.95
752	23	2"	Lock Type Fill Cap.....	2¼ lbs.	3.37
		3"	Lock Type Fill Cap.....	4 lbs.	4.95
		4"	Lock Type Fill Cap.....	6¼ lbs.	8.61
754-14	15		Dust Cap.....	7 oz.	2.21
754-15			Dust Cap.....	12 oz.	2.93
754-16			Dust Cap.....	14 oz.	4.00
754-4			Dust Cap.....	12 oz.	2.93
755	49	2" x 2½"	Tank Truck Emergency Valve	7 lbs.	19.37

Item No.	Catalog Page No.	Size		Net Wt.	Price
755F	49	2" x 2½"	Tank Truck Emergency Valve, Flanged	9¼ lbs.	$34.32
760	24	2½"	Male x 2", 2½" and 3" Male Filling Adapter	4¾ lbs.	11.64
761	24	3"	Iron Fill Deflector	4 lbs.	3.61
		4"	Iron Fill Deflector	5¾ lbs.	5.06
761B	24	2"	Brass Fill Deflector	1¼ lbs.	3.25
		2½"	Brass Fill Deflector	1¾ lbs.	3.46
		3"	Brass Fill Deflector	2½ lbs.	3.90
762	50	1½"	Tank Truck Coupling Elbow	2¾ lbs.	5.71
		2"	Tank Truck Coupling Elbow	3½ lbs.	9.54
	24	2½"	Swivel x 2" Female I.P.T. Tank Truck Coupling Elbow	4¾ lbs.	11.66
763	55		Barrel Bung Remover	3¾ lbs.	6.85
764	24	1¼"	Fill Cap	1¼ lbs.	4.79
		1½"	Fill Cap	1½ lbs.	6.33
		2"	Fill Cap	2 lbs.	6.75
		2½"	Fill Cap	3¼ lbs.	7.15
		3"	Fill Cap	4½ lbs.	8.48
		4"	Fill Cap	6¼ lbs.	12.94
764L	24	2"	Lock Type Fill Cap	2½ lbs.	6.75
		2½"	Lock Type Fill Cap	4 lbs.	7.15
		3"	Lock Type Fill Cap	5½ lbs.	8.48
		4"	Lock Type Fill Cap	7¾ lbs.	12.94
767-1	17	1"	I.P.T. Flexible Tube	1 lb.	3.03
767-2		1¼"	I.P.T. Flexible Tube	1¼ lbs.	3.48
767-3		1½"	I.P.T. Flexible Tube	1 lb.	3.96
767-4		1½"	I.P.T. Flexible Tube	1¼ lbs.	5.20
767-5		1½"	I.P.T. Flexible Tube	1½ lbs.	6.23
767-6		1½"	I.P.T. Flexible Tube	1½ lbs.	6.90
767-7		2¼"	Flexible Tube	2 lbs.	10.76
767-8		3"	Flexible Tube	4 lbs.	14.37
767-9		1⅞"	Flexible Tube	2 lbs.	7.77
767-10		2⅛"	Flexible Tube	2½ lbs.	8.44
767-15		2 21/32"	Flexible Tube	3¾ lbs.	13.60
769	43	2"	Top-Opening Line Strainer with 20- to 80-Mesh Screen	14½ lbs.	18.43
		2½"	Top-Opening Line Strainer with 20- to 80-Mesh Screen	19½ lbs.	24.73
		3"	Top-Opening Line Strainer with 20- to 80-Mesh Screen	28¾ lbs.	37.30
		4"	Top-Opening Line Strainer with 20- to 80-Mesh Screen	62¼ lbs.	67.00
769F	43	2"	Top-Opening Line Strainer, Flanged, with 20- to 80-Mesh Screen	23½ lbs.	22.10
		2½"	Top-Opening Line Strainer, Flanged, with 20- to 80-Mesh Screen	32¾ lbs.	29.67
		3"	Top-Opening Line Strainer, Flanged, with 20- to 80-Mesh Screen	46 lbs.	46.32
		4"	Top-Opening Line Strainer, Flanged, with 20- to 80-Mesh Screen	89 lbs.	85.82

See Parts Price List (Page 22) for other mesh screens

Item No.	Catalog Page No.	Size		Net Wt.	Price
770	37	¼"	Angle Needle Valve	½ lb.	$ 2.33
		⅜"	Angle Needle Valve	¾ lb.	2.60
		½"	Angle Needle Valve	1 lb.	3.30
773	11	2½"	Fuel Oil Delivery Nozzle, Brass, Less Tube, Less Check	13¼ lbs.	46.36
		2½"	Fuel Oil Delivery Nozzle, Brass, with No. 691-7 -8" Straight Rigid Tube, Less Check	16¼ lbs.	52.13
		2½"	Fuel Oil Delivery Nozzle, Brass, with No. 767-8 -10" Flexible Tube, Less Check	16¼ lbs.	55.00
773A	11	2½"	Fuel Oil Delivery Nozzle, Aluminum, Less Tube, Less Check	6¾ lbs.	46.36
		2½"	Fuel Oil Delivery Nozzle, Aluminum, with No. 691-7 -8" Straight Rigid Tube, Less Check	9¾ lbs.	52.13
		2½"	Fuel Oil Delivery Nozzle, Aluminum, with No. 767-8 -10" Flexible Tube, Less Check	9¾ lbs.	55.00
774	44	2"	Tank Truck Angle Strainer with 20- to 80-Mesh Screen	11½ lbs.	17.61
		2½"	Tank Truck Angle Strainer with 20- to 80-Mesh Srceen	16½ lbs.	22.86
		3"	Tank Truck Angle Strainer with 20- to 80-Mesh Screen	21½ lbs.	33.70
774F	44	2"	Tank Truck Angle Strainer, Flanged, with 20- to 80-Mesh Screen	15 lbs.	17.74
		2½"	Tank Truck Angle Strainer, Flanged, with 20- to 80-Mesh Screen	22 lbs.	23.80
		3"	Tank Truck Angle Strainer, Flanged, with 20- to 80-Mesh Screen	26 lbs.	35.94
775G	11	1¼"	Nozzle, Aluminum, same as No. 775M with No. 795-7 Rigid Tube, but less Dust Cap, Grounding Cable Assembly and Strainer	5 lbs.	23.12
		1½"	Nozzle, Aluminum, same as No. 775M with No. 795-8 Rigid Tube, but less Dust Cap, Grounding Cable Assembly and Strainer	6 lbs.	28.33
		2"	Nozzle, Aluminum, same as No. 775M with No. 795-9 Rigid Tube, but less Dust Cap, Grounding Cable Assembly and Strainer	10¼ lbs.	55.65
		2½"	Nozzle, Aluminum, same as No. 775M with No. 795-9 Rigid Tube, but less Dust Cap, Grounding Cable Assembly and Strainer	10½ lbs.	55.65

See Parts Price List (Page 21) for other mesh screens

Item No.	Catalog Page No.	Size		Net Wt.	Price
775G (cont.)		1¼"	Nozzle, Brass, same as No. 775M with No. 795-7 Rigid Tube, but less Dust Cap, Grounding Cable Assembly and Strainer	9½ lbs.	$23.12
		1½"	Nozzle, Brass, same as No. 775M with No. 795-8 Rigid Tube, but less Dust Cap, Grounding Cable Assembly and Strainer	11¼ lbs.	28.33
		2"	Nozzle, Brass, same as No. 775M with No. 795-9 Rigid Tube, but less Dust Cap, Grounding Cable Assembly and Strainer	18¼ lbs.	55.65
		2½"	Nozzle, Brass, same as No. 775M with No. 795-9 Rigid Tube, but less Dust Cap, Grounding Cable Assembly and Strainer	19¼ lbs.	55.65

Please specify either Brass or Aluminum Nozzle.

If flexible tube is required, please see Chart, Catalog Page 11, for the specific No. 767 tube needed.

For prices, add the difference between flexible and rigid tube prices for each size to above.

775M	14	1¼"	Army-Navy Refueling Nozzle, Brass, with No. 795-7 Rigid Tube	10¼ lbs.	32.00
		1½"	Army-Navy Refueling Nozzle, Brass, with No. 795-8 Rigid Tube	12½ lbs.	38.50
		2"	Army-Navy Refueling Nozzle, Aluminum, with Inlet Adapter for 2" hose and with No. 795-9 Rigid Tube	11½ lbs.	72.35
		2½"	Ditto except with Inlet Adapter for 2½" hose	11¾ lbs.	72.35
777-1	17	1¼"	I.P.T. Straight Rigid Tube, 1½" O.D.	1 lb.	2.45
777-4	17	1½"	I.P.T. Straight Rigid Tube Assembly consisting of No. 777-1 and No. 668 -1½" x 1¼" Bushing	1½ lbs.	4.15
777-3	16	1 3/32"	Straight Rigid Tube	9 oz.	2.28
779	30	3"	Swing Check Valve	21 lbs.	27.32
		4"	Swing Check Valve	35 lbs.	54.29
779F	30	3"	Swing Check Valve, Flanged	36¼ lbs.	32.78
		4"	Swing Check Valve, Flanged	62 lbs.	59.68
781G	16	1⅛"	Synthetic Rubber Tube	11 oz.	4.33
782	10	1"	Fuel Oil Delivery Nozzle, Brass, Less Tube, Less Check	4¾ lbs.	9.54
		1"	Fuel Oil Delivery Nozzle, Brass, with No. 691-3 Straight Rigid Tube, Less Check	5¾ lbs.	11.78
		1"	Fuel Oil Delivery Nozzle, Brass, with No. 767-1 Flexible Tube, Less Check	5¾ lbs.	12.49

Item No.	Catalog Page No.	Size		Net Wt.	Price
782 (cont.)		1¼"	Fuel Oil Delivery Nozzle, Brass, Less Tube, Less Check	6½ lbs.	$15.94
		1¼"	Fuel Oil Delivery Nozzle, Brass, with No. 691-5 Straight Rigid Tube, Less Check	8 lbs.	18.15
		1¼"	Fuel Oil Delivery Nozzle, Brass, with No. 767-5 Flexible Tube, Less Check	8 lbs.	19.75
		1¼"	Fuel Oil Delivery Nozzle, Brass, with No. 777-4 Special Rigid Tube and Reducer, Less Check	8¼ lbs.	18.15
		1½"	Fuel Oil Delivery Nozzle, Brass, Less Tube ,Less Check	6¾ lbs.	16.90
		1½"	Fuel Oil Delivery Nozzle, Brass, with No. 691-5 Straight Rigid Tube, Less Check	8½ lbs.	19.80
		1½"	Fuel Oil Delivery Nozzle, Brass, with No. 767-6 Flexible Tube, Less Check	8½ lbs.	21.80
		1½"	Fuel Oil Delivery Nozzle, Brass, with No. 777-4 Special Rigid Tube and Reducer, Less Check	8½ lbs.	19.80
		2"	Fuel Oil Delivery Nozzle, Brass, Less Tube, Less Check	8 lbs.	25.75
		2"	Fuel Oil Delivery Nozzle, Brass, with No. 691-6 Straight Rigid Tube, Less Check	9½ lbs.	28.90
		2"	Fuel Oil Delivery Nozzle, Brass, with No. 767-7 Flexible Tube, Less Check	10 lbs.	31.60
782D	14	1¼"	Airplane Refueling Nozzle, Brass, with No. 826D Grounding Cable Assembly, No. 754-4 Dust Cap, Spring and Chain Complete, and No. 793-3 Rigid Tube with No. 827A Strainer	9 lbs.	29.00
		1½"	Airplane Refueling Nozzle, Brass, with No. 826D Grounding Cable Assembly, No. 754-4 Dust Cap, Spring and Chain Complete, and No. 793-3 Rigid Tube with No. 827A Strainer	9½ lbs.	29.96
785 or 785B	38	¾"	Vertical Storage Tank Vent	½ lb.	1.14
		1"	Vertical Storage Tank Vent	¾ lb.	1.37
		1¼"	Vertical Storage Tank Vent	1½ lbs.	1.53
		1½"	Vertical Storage Tank Vent	2 lbs.	1.73
		2"	Vertical Storage Tank Vent	2¾ lbs.	2.28
		3"	Vertical Storage Tank Vent	5½ lbs.	6.84
		4"	Vertical Storage Tank Vent	9 lbs.	10.66
790-1	17	1½"	I.P.T. Straight Rigid Tube	1 lb.	3.73
790-2		1½"	I.P.T. Straight Rigid Tube	1¼ lbs.	4.27
790-3		1½"	I.P.T. Straight Rigid Tube	1¼ lbs.	4.57
793-3	17	1½"	I.P.T. Straight Rigid Tube with No. 827A Strainer	1½ lbs.	11.01
795-3	14, 17	1⅞"	—34" long Straight Rigid Defueling Tube	3 lbs.	9.00

Item No.	Catalog Page No.	Size		Net Wt.	Price
795-4	14, 17	2⅛"—34"	long Straight Rigid Defueling Tube	5¼ lbs.	$11.80
795-7	17	1⅞"	Straight Rigid Tube	1½ lbs.	4.30
795-8	17	2⅛"	Straight Rigid Tube	2 lbs.	5.50
795-9	17	2 21/32"	Straight Rigid Tube	3 lbs.	7.15
795-14	14, 17	2 21/32"—34"	long Straight Rigid Defueling Tube	7 lbs.	14.80
797	50	1½"	Tank Truck Angle Valve, Threaded	4¾ lbs.	9.59
		2"	Tank Truck Angle Valve, Threaded	7¼ lbs.	13.50
		2½"	Tank Truck Angle Valve, Threaded	12¾ lbs.	24.46
		3"	Tank Truck Angle Valve, Threaded	17¾ lbs.	34.79
797F	50	2"	Tank Truck Angle Valve, Flanged	9½ lbs.	19.95
		2½"	Tank Truck Angle Valve, Flanged	15½ lbs.	30.42
		3"	Tank Truck Angle Valve, Flanged	18¼ lbs.	40.11
798	50	1½"	Tank Truck Cross Valve, Threaded	5¼ lbs.	18.94
		2"	Tank Truck Cross Valve, Threaded	7½ lbs.	22.75
		2½"	Tank Truck Cross Valve, Threaded	13¾ lbs.	31.80
		3"	Tank Truck Cross Valve, Threaded	20¼ lbs.	40.11
798F	50	2"	Tank Truck Cross Valve, Flanged	10¾ lbs.	26.11
		2½"	Tank Truck Cross Valve, Flanged	18½ lbs.	34.91
		3"	Tank Truck Cross Valve, Flanged	20½ lbs.	42.86
800E	8	¾" or 1"	Hose Nozzle Valve, Bronze Finish, Less Tube, Less Check	3¼ lbs.	7.05
		¾" or 1"	Hose Nozzle Valve, Bronze Finish, with No. 802B Curved Rigid Tube, Less Check	3¾ lbs.	8.50
		¾" or 1"	Hose Nozzle Valve, Bronze Finish, with No. 828 Flexible Tube, Less Check	3¾ lbs.	8.95
800E	8	¾" or 1"	Hose Nozzle Valve, Bronze Finish, Less Tube, With Check	3¼ lbs.	7.55
		¾" or 1"	Hose Nozzle Valve, Bronze Finish, with No. 802B Curved Rigid Tube, With Check	3¾ lbs.	9.00
		¾" or 1"	Hose Nozzle Valve, Bronze Finish, with No. 828 Flexible Tube, With Check	3¾ lbs.	9.45
800E	8	¾" or 1"	Hose Nozzle Valve, Satin Chrome Finish, Less Tube, Less Check	3¼ lbs.	$ 9.05
		¾" or 1"	Hose Nozzle Valve, Satin Chrome Finish, with No. 802B Curved Rigid Tube, Less Check	3¾ lbs.	10.80
		¾" or 1"	Hose Nozzle Valve, Satin Chrome Finish, with No. 828 Flexible Tube, Less Check	3¾ lbs.	11.25
800E	8	¾" or 1"	Hose Nozzle Valve, Satin Chrome Finish, Less Tube, With Check	3¼ lbs.	9.55
		¾" or 1"	Hose Nozzle Valve, Satin Chrome Finish, with No. 802B Curved Rigid Tube, With Check	3¾ lbs.	11.30
		¾" or 1"	Hose Nozzle Valve, Satin Chrome Finish, with No. 828 Flexible Tube With Check	3¾ lbs.	11.75
800F	8	¾" or 1"	Hose Nozzle Valve, Aluminum, Less Tube, Less Check	1¾ lbs.	7.05
		¾" or 1"	Hose Nozzle Valve, Aluminum, with No. 802B Curved Rigid Tube, Less Check	2¼ lbs.	8.50
		¾" or 1"	Hose Nozzle Valve, Aluminum, with No. 828 Flexible Tube, Less Check	2¼ lbs.	8.95
800F	8	¾" or 1"	Hose Nozzle Valve, Aluminum, Less Tube, With Check	1¾ lbs.	7.55
		¾" or 1"	Hose Nozzle Valve, Aluminum, with No. 802B Curved Rigid Tube, With Check	2¼ lbs.	9.00
		¾" or 1"	Hose Nozzle Valve, Aluminum, with No. 828 Flexible Tube, With Check	2¼ lbs.	9.45
800K	8		Prices and Weights same as No. 800E		
	8		Check Valve Poppet Assembly and Spring Only for Nos. 800, 800E, 800F and 800K	2 oz.	.75
802B	16	1⅛"	Curved Rigid Tube, Complete	9 oz.	2.12
			Tube Only		1.68
			Lock Nut Only		.44

Item No.	Catalog Page No.	Size		Net Wt.	Price
803	16		Body Adapter Only	2 oz.	$ .67
806-4	16	1¼"	Flexible Tube	9 oz.	3.03
809-3	16	1"	Straight Rigid Tube	2 oz.	1.37
811	49	2"	Tank Truck Emergency Valve	17¼ lbs.	40.22
		2½"	Tank Truck Emergency Valve	18½ lbs.	41.48
		3"	Tank Truck Emergency Valve	19¼ lbs.	42.73
			If screen is desired, add.		
			for 2" size		.63
			for 2½" size		.94
			for 3" size		1.25
817	25	18" x 8"	Cast Iron Manhole	25½ lbs.	12.55
820C	18	1" x ¾"	Inlet Check Valve	½ lb.	2.20
		1" x 1"	Inlet Check Valve	½ lb.	2.20
820E-1	18		Internal Check Valve	2 oz.	2.20
820E-2			Internal Check Valve	4 oz.	2.20
820F	6	¾" or 1"	Safety-Fill Nozzle Valve, with Rigid Tube, Less Check	5¾ lbs.	15.00
		¾" or 1"	Safety-Fill Nozzle Valve, with Rigid Tube, with either No. 820C or No. 820E-1 Check Valve	6¼ lbs	17.20
821	55	½"	Small, Double Swing Joint	1 lb.	6.78
		¾"	Small, Double Swing Joint	1¼ lbs.	7.95
824	38	6"	Emergency Safety Vent Valve Complete with Flame Arrestor	66 lbs.	45.36
824A	38	6"	Emergency Safety Vent Valve Less Flame Arrestor	65½ lbs.	40.34
			Flame Arrestor for No. 824	½ lb.	5.02
825	35	1½"	Angle Check Valve Extractor Installation Complete	40¾ lbs.	36.16
			The above consists of:		
592B		7½"	Manhole	21½ lbs.	7.46
584		3½"	Extractor Pipe Cap, Brass	1¼ lbs.	3.90
559AS		1½"	Extractor Fitting with Strainer	18 lbs.	24.80
825		2"	Angle Check Valve Extractor Installation Complete	45¼ lbs.	40.93
592B		7½"	Manhole	21½ lbs.	7.46
584		4"	Extractor Pipe Cap, Brass	2 lbs.	6.00
559AS		2"	Extractor Fitting with Strainer	21¾ lbs.	27.47
826B-2	15		Grounding Cable Assembly for Nos. 775 and 775M	2 oz.	2.93
826B-5	15		Grounding Cable Assembly for Nos. 4083 and 4092	2 oz.	2.93
826D	15		Grounding Cable Assembly for Nos. 782D and 882D	2 oz.	2.05
827A-10	15		Strainer for Aircraft Nozzle Valves	3 oz.	4.55
827A-11			Strainer for Aircraft Nozzle Valves	4 oz.	$ 5.25
827A-12			Strainer for Aircraft Nozzle Valves	5 oz.	10.65
828	16	1⅛"	Flexible Tube Complete	10 oz.	2.88
			Assembled Flexible Tube (Tubing, Ferrule and Tube Adapter)		2.21
			Tubing and Ferrule Only		1.36
			Tube Adapter Only		.85
803	16		Body Adapter Only	2 oz.	.67
836	44	1½"	Angle Strainer	5¾ lbs.	19.36
		2"	Angle Strainer	7¼ lbs.	24.29
837	44	1½"	Line Strainer	7¾ lbs.	19.36
		2"	Line Strainer	9¼ lbs.	24.29
838	54		¼ Pint Joint-Seal	½ lb.	.70
			½ Pint Joint-Seal	1 lb.	1.32
			1 Pint Joint-Seal	1¾ lbs.	2.43
			1 Quart Joint-Seal	3½ lbs.	4.60
845C	9	¾" or 1"	Farm or Utility Nozzle Valve	2¾ lbs.	4.93
847	28	1½"	Water-Locking Valve	2¾ lbs.	14.60
		2"	Water-Locking Valve	3 lbs.	16.65
		2½"	Water-Locking Valve	6 lbs.	41.65
		3"	Water-Locking Valve	6½ lbs.	41.65
		4"	Water-Locking Valve	15 lbs.	96.45
847B	28	1½"	Water-Locking Valve	2¾ lbs.	14.60
		2"	Water-Locking Valve	3 lbs.	16.65
850 or 850B	29	1½"	Vertical Check Extractor Valve	7¾ lbs.	11.13
850		2"	Vertical Check Extractor Valve	11½ lbs.	16.16
850C		1½"	Vertical Check Extractor Valve with Strainer	8 lbs.	12.14
851 or 851B	29	1½"	Vertical Check Extractor Valve	8 lbs.	12.75
851		2"	Vertical Check Extractor Valve	11¾ lbs.	18.12
851C		1½"	Vertical Check Extractor Valve with Strainer	8¼ lbs.	13.76
850 850B 850C	29	1½"	Inside Assembly	½ lb.	3.74
		2"	Inside Assembly	1½ lbs.	4.11
851 851B 851C	29	1½"	Inside Assembly	½ lb.	4.24
		2"	Inside Assembly	1 lb.	4.69
	29	1½"	Strainer for Nos. 850C or 851C		1.01
		2"	Strainer for Nos. 850C or 851C		1.27
852	20	2"	Replaceable Brass Threaded Insert Flush Fill Box	3¾ lbs.	5.55
		3"	Replaceable Brass Threaded Insert Flush Fill Box	6 lbs.	9.60
		4"	Replaceable Brass Threaded Insert Flush Fill Box	8½ lbs.	19.95

Item No.	Catalog Page No.	Size		Net Wt.	Price
853-1	35	2" x 1½"	Angle Check Valve Extractor Installation Complete	43 lbs.	$37.02
			The above consists of:		
592B		7½"	Manhole	21½ lbs.	7.46
584B		4"	Extractor Pipe Cap (Brass)	2 lbs.	3.90
559B		2"	Outlet with 1½" Inlet and 3½" Male Thread Extractor Fitting, Less Strainer	19½ lbs.	25.66
853-2		2" x 1½"	Angle Check Valve Extractor Installation Complete	44¼ lbs.	37.02
			The above consists of:		
592B		7½"	Manhole	21½ lbs.	7.46
584B		4"	Extractor Pipe Cap (Brass)	2 lbs.	3.90
559B		2"	Outlet with 1½" Inlet and 4" Male Thread Extractor Fitting, Less Strainer	20¾ lbs.	25.66
853-3		2" x 1½"	Angle Check Valve Extractor Installation Complete	43¼ lbs.	38.83
			The above consists of:		
592B		7½"	Manhole	21½ lbs.	7.46
584B		4"	Extractor Pipe Cap (Brass)	2 lbs.	3.90
559BS		2"	Outlet with 1½" Inlet and 3½" Male Thread Extractor Fitting, With Strainer	19¾ lbs.	27.47
853-4		2" x 1½"	Angle Check Valve Extractor Installation Complete	44½ lbs.	38.83
			The above consists of:		
592B		7½"	Manhole	21½ lbs.	7.46
584B		4"	Extractor Pipe Cap (Brass)	2 lbs.	3.90
559BS		2"	Outlet with 1½" Inlet and 4" Male Thread Extractor Fitting, With Strainer	21 lbs.	27.47
857A-9-3	33		Duplex Tank Bushing With Two ⅜" Fittings	14 oz.	1.25
857A-9-4			Duplex Tank Bushing With Two ½" Fittings	14 oz.	1.25
857A-1			Duplex Tank Bushing With One ½" Fitting and One ⅜" Fitting	14 oz.	1.25
857-9-3			Duplex Tank Bushing With One ⅜" Fitting and One Plug	14 oz.	1.15
857-9-4			Duplex Tank Bushing With One ½" Fitting and One Plug	14 oz.	1.15
857			Duplex Tank Bushing Only—Two Openings But No Plugs	12 oz.	.90

Item No.	Catalog Page No.	Size		Net Wt.	Price
871	22	1½"	PresTite Fill Cap	2¼ lbs.	$ 4.28
		2"	PresTite Fill Cap	3¼ lbs.	5.02
		2½"	PresTite Fill Cap	4¼ lbs.	6.11
		3"	PresTite Fill Cap	6 lbs.	7.32
		3½"	PresTite Fill Cap	7½ lbs.	9.93
		4"	PresTite Fill Cap	8½ lbs.	11.62
871E	67	3"	PresTite Fill Cap Bushed to 2"	9 lbs.	7.86
		3"	PresTite Fill Cap Bushed to 2½"	9¼ lbs.	7.86
		3"	PresTite Fill Cap Adapted to 3½"	9½ lbs.	11.80
		3"	PresTite Fill Cap Adapted to 4"	10 lbs.	12.65
872	44	2½"	Inlet Strainer	4½ lbs.	9.13
		3"	Inlet Strainer	6 lbs.	10.87
872T	44	2½"	Outlet Strainer	5½ lbs.	15.90
		3"	Outlet Strainer	7 lbs.	19.00
873A	46, 47	1½"	Adapter, Threaded (Female I.P.T.)	1 lb.	2.09
		2"	Adapter, Threaded (Female I.P.T.)	1¼ lbs.	2.90
		2½"	Adapter, Threaded (Female I.P.T.)	1¾ lbs.	3.48
		3"	Adapter, Threaded (Female I.P.T.)	2½ lbs.	4.30
		4"	Adapter, Threaded (Female I.P.T.)	3¾ lbs.	5.40
873B	46, 47	1½"	Coupler, Threaded (Male I.P.T.)	1 lb.	9.65
		2"	Coupler, Threaded (Male I.P.T.)	2 lbs.	10.57
		2½"	Coupler, Threaded (Male I.P.T.)	4¼ lbs.	12.33
		3"	Coupler, Threaded (Male I.P.T.)	5½ lbs.	14.09
		4"	Coupler, Threaded (Male I.P.T.)	6 lbs.	21.14
873C	46, 47	1½"	Coupler, Hose Shank Type	3¼ lbs.	9.65
		2"	Coupler, Hose Shank Type	3¾ lbs.	10.86
		2½"	Coupler, Hose Shank Type	4½ lbs.	12.67
		3"	Coupler, Hose Shank Type	5 lbs.	14.48
		4"	Coupler, Hose Shank Type	6 lbs.	21.72
873D	46, 47	1½"	Coupler, Threaded (Female I.P.T.)	3¼ lbs.	9.65
		2"	Coupler, Threaded (Female I.P.T.)	3¾ lbs.	10.86
		2½"	Coupler, Threaded (Female I.P.T.)	4½ lbs.	12.67
		3"	Coupler, Threaded (Female I.P.T.)	5½ lbs.	14.48
		4"	Coupler, Threaded (Female I.P.T.)	7¾ lbs.	21.72

Item No.	Catalog Page No.	Size		Net Wt.	Price
873E	46, 47	1½"	Adapter, Hose Shank Type...	1¾ lbs.	$ 3.50
		2"	Adapter, Hose Shank Type...	2 lbs.	3.94
		2½"	Adapter, Hose Shank Type...	2¾ lbs.	4.59
		3"	Adapter, Hose Shank Type...	3¾ lbs.	5.25
		4"	Adapter, Hose Shank Type...	6½ lbs.	7.87
873F	46, 47	1½"	Adapter, Threaded (Male I.P.T.)	1¼ lbs.	3.50
		2"	Adapter, Threaded (Male I.P.T.)	1½ lbs.	3.94
		2½"	Adapter, Threaded (Male I.P.T.)	2¼ lbs.	4.59
		3"	Adapter, Threaded (Male I.P.T.)	3¼ lbs.	5.25
		4"	Adapter, Threaded (Male I.P.T.)	4 lbs.	7.87
873G	46, 47	1½"	Dust Plug for Coupler.....	1 lb.	4.31
		2"	Dust Plug for Coupler.....	1½ lbs.	4.85
		2½"	Dust Plug for Coupler.....	1¾ lbs.	5.65
		3"	Dust Plug for Coupler.....	2¾ lbs.	6.46
		4"	Dust Plug for Coupler.....	3½ lbs.	9.69
873M	67	2"	Male Adapter	3¼ lbs.	7.23
		2½"	Male x 2" Female Adapter...	3¾ lbs.	8.96
		3"	Male x 2½" Female Adapter.	4½ lbs.	9.58
		3½"	Male x 3" Female Adapter...	4¾ lbs.	11.26
		4"	Male x 3½" Female Adapter.	5½ lbs.	11.96
873N	26	2"	I.P.T. x 3" Coupling Elbow..	5½ lbs.	20.64
		2½"	I.P.T. x 3" Coupling Elbow...	5½ lbs.	21.23
		3"	I.P.T. x 3" Coupling Elbow...	5¾ lbs.	22.50
873P	67	2½" x 2½"	Adapter Coupling ..	1¼ lbs.	4.67
		3" x 3"	Adapter Coupling....	1¾ lbs.	5.47
		3½" x 3½"	Adapter Coupling....	1¾ lbs.	7.95
		4" x 4"	Adapter Coupling....	2½ lbs.	9.16
873Q	67	3"	Drop Tube—2" Fill Pipe...	4½ lbs.	9.00
		3"	Drop Tube—2½" Fill Pipe...	4¾ lbs.	9.79
		3"	Drop Tube—3" Fill Pipe...	5 lbs.	11.81
		3"	Drop Tube—3½" Fill Pipe...	5 lbs.	11.81
		3"	Drop Tube—4" Fill Pipe...	5¾ lbs.	12.94
873R	46, 47	1½"	Dust Cover for Adapter.....	1½ lbs.	1.80
		2"	Dust Cover for Adapter.....	1¾ lbs.	1.93
		2½"	Dust Cover for Adapter.....	2½ lbs.	2.90
		3"	Dust Cover for Adapter.....	3¼ lbs.	3.40
		4"	Dust Cover for Adapter.....	4½ lbs.	4.45
874	42	2"	PresTite Down Spout Complete with 3'6" Hose	8¼ lbs.	32.06
		2"	PresTite Down Spout Complete with 4' Hose	9 lbs.	32.06
		2"	PresTite Down Spout Complete with 4'6" Hose	9¾ lbs.	37.42
		2"	PresTite Down Spout Complete with 5' Hose	10½ lbs.	37.42
		2"	PresTite Down Spout Complete with 5'6" Hose	11¼ lbs.	42.28
		2"	PresTite Down Spout Complete with 6' Hose	12 lbs.	42.28
		2½"	PresTite Down Spout Complete with 3'6" Hose	10 lbs.	41.19
		2½"	PresTite Down Spout Complete with 4' Hose	10¾ lbs.	$41.19
		2½"	PresTite Down Spout Complete with 4'6" Hose	11¾ lbs.	47.19
		2½"	PresTite Down Spout Complete with 5' Hose	12½ lbs.	47.19
		2½"	PresTite Down Spout Complete with 5'6" Hose	13½ lbs.	53.65
		2½"	PresTite Down Spout Complete with 6' Hose	14¼ lbs.	53.65
		3"	PresTite Down Spout Complete with 3'6" Hose	11½ lbs.	47.25
		3"	PresTite Down Spout Complete with 4' Hose	12½ lbs.	47.25
		3"	PresTite Down Spout Complete with 4'6" Hose	13½ lbs.	54.25
		3"	PresTite Down Spout Complete with 5' Hose	14½ lbs.	54.25
		3"	PresTite Down Spout Complete with 5'6" Hose	15¾ lbs.	61.19
		3"	PresTite Down Spout Complete with 6' Hose	16¾ lbs.	61.19
		4"	PresTite Down Spout Complete with 3'6" Hose	15 lbs.	57.35
		4"	PresTite Down Spout Complete with 4' Hose	16¼ lbs.	57.35
		4"	PresTite Down Spout Complete with 4'6" Hose	17¾ lbs.	65.54
		4"	PresTite Down Spout Complete with 5' Hose	19¼ lbs.	65.54
		4"	PresTite Down Spout Complete with 5'6" Hose	20½ lbs.	73.79
		4"	PresTite Down Spout Complete with 6' Hose	22 lbs.	73.79
874A	42	2"	Body Only (Aluminum)	1 lb.	4.80
		2½"	Body Only (Aluminum)	1¼ lbs.	5.63
		3"	Body Only (Aluminum)	1⅝ lbs.	7.00
		4"	Body Only (Aluminum)	2⅜ lbs.	8.75
874B	42	2"	Female Brass Adapter	1¼ lbs.	3.37
		2½"	Female Brass Adapter	1¾ lbs.	4.04
		3"	Female Brass Adapter	2⅝ lbs.	5.00
		4"	Female Brass Adapter	3⅝ lbs.	6.26
874C	42	2½"	Lifting Handle (Aluminum) ..	2½ lbs.	3.52
		3"	Lifting Handle (Aluminum) ..	2⅝ lbs.	3.75
		4"	Lifting Handle (Aluminum) ..	2⅞ lbs.	5.01
874D	42	2"	Hose Only—4' long	5¾ lbs.	23.89
		2"	Hose Only—5' long	7¼ lbs.	29.25
		2"	Hose Only—6' long	8¾ lbs.	34.11
		2½"	Hose Only—4' long	7⅛ lbs.	28.00
		2½"	Hose Only—5' long	9 lbs.	34.00
		2½"	Hose Only—6' long	10¾ lbs.	40.46
		3"	Hose Only—4' long	8⅜ lbs.	31.50
		3"	Hose Only—5' long	10⅜ lbs.	38.50
		3"	Hose Only—6' long	12½ lbs.	45.50
		4"	Hose Only—4' long	11⅛ lbs.	37.33
		4"	Hose Only—5' long	14 lbs.	45.52
		4"	Hose Only—6' long	16¾ lbs.	53.77
874F	42	2"	Male Brass Adapter	1¾ lbs.	3.37
		2½"	Male Brass Adapter	2½ lbs.	4.04
		3"	Male Brass Adapter	3½ lbs.	5.00
		4"	Male Brass Adapter	4¾ lbs.	6.26

Item No.	Catalog Page No.	Size		Net Wt.	Price
882	10	1"	Fuel Oil Delivery Nozzle, Aluminum, Less Tube, Less Check	2½ lbs.	$ 9.54
		1"	Fuel Oil Delivery Nozzle, Aluminum, with No. 691-3 Straight Rigid Tube, Less Check	3¼ lbs.	11.78
		1"	Fuel Oil Delivery Nozzle, Aluminum, with No. 767-1 Flexible Tube, Less Check	3¼ lbs.	12.49
		1¼"	Fuel Oil Delivery Nozzle, Aluminum, Less Tube, Less Check	3¼ lbs.	15.94
		1¼"	Fuel Oil Delivery Nozzle, Aluminum, with No. 691-5 Straight Rigid Tube, Less Check	5 lbs.	18.15
		1¼"	Fuel Oil Delivery Nozzle, Aluminum, with No. 767-5 Flexible Tube, Less Check	5 lbs.	19.75
		1¼"	Fuel Oil Delivery Nozzle, Aluminum, with No. 777-4 Special Rigid Tube and Reducer, Less Check	5 lbs.	18.15
		1½"	Fuel Oil Delivery Nozzle, Aluminum, Less Tube, Less Check	3½ lbs.	16.90
		1½"	Fuel Oil Delivery Nozzle, Aluminum, with No. 691-5 Straight Rigid Tube, Less Check	5¼ lbs.	19.80
		1½"	Fuel Oil Delivery Nozzle, Aluminum, with No. 767-6 Flexible Tube, Less Check	5¼ lbs.	21.80
		1½"	Fuel Oil Delivery Nozzle, Aluminum, with No. 777-4 Special Rigid Tube and Reducer, Less Check	5¼ lbs.	19.80
		2"	Fuel Oil Delivery Nozzle, Aluminum, Less Tube, Less Check	4¼ lbs.	25.75
		2"	Fuel Oil Delivery Nozzle, Aluminum, with No. 691-6 Straight Rigid Tube, Less Check	5¾ lbs.	28.90
		2"	Fuel Oil Delivery Nozzle, Aluminum, with No. 767-7 Flexible Tube, Less Check	6¼ lbs.	31.60
882D	14	1¼"	Airplane Refueling Nozzle, Aluminum, with No. 826D Grounding Cable Assembly, No. 754-4 Dust Cap, Spring and Chain Complete, and No. 793-3 Rigid Tube with No. 827A Strainer	6 lbs.	29.00
		1½"	Airplane Refueling Nozzle, Aluminum, with No. 826D Grounding Cable Assembly, No. 754-4 Dust Cap, Spring and Chain Complete, and No. 793-3 Rigid Tube with 827A Strainer	6½ lbs.	29.96
884	21	2"	New York City Fill Box	26 lbs.	$21.88
		3"	New York City Fill Box	37 lbs.	37.50
885	52	3"	Male x 2" Female Storage Tank Emergency Valve	9¾ lbs.	21.21
		3"	Male x 2½" Female Storage Tank Emergency Valve	10¾ lbs.	30.00
		3"	Male x 3" Female Storage Tank Emergency Valve	11¾ lbs.	35.00
		4"	Male x 3" Female Storage Tank Emergency Valve	18½ lbs.	43.00
890	7	1¼"	Safety-Fill Nozzle Valve with No. 691B-1 Straight Rigid Tube and with Hold-Open Notches	6½ lbs.	40.00
		1¼"	Safety-Fill Nozzle Valve with No. 630B-2 Curved Rigid Tube and with Hold-Open Notches	6½ lbs.	40.00
890A	7	1¼"	Safety-Fill Nozzle Valve with either Straight Rigid Tube or Curved Rigid Tube but less Hold-Open Notches	6½ lbs.	40.00
1429-2	24		Wrench for Nos. 449, 450 and 461 Flush Lock Type Fill Boxes	14 oz.	.41
2739-3	24		Wrench for Nos. 452 and 623 Flush Fill Boxes	10 oz.	.33
4007	55	1¼"	Hydraulic Lift Valve "Up"	3½ lbs.	10.78
4007A	55	1¼"	Hydraulic Lift Valve "Down"	3½ lbs.	10.78
4055	55	½"	Non-Locking Air Lift Valve	3¾ lbs.	10.65
4055A	55	½"	Locking Air Lift Valve	3¾ lbs.	10.65
4076A	12	3" x 2½" x 2½"	Siamese Connector	4¾ lbs.	13.20
4082	12	1½"	Non-Drip Oil Nozzle	7½ lbs.	52.50
4083	12	2½"	Coupling Nozzle	15 lbs.	228.75
4084	33	1½"	Square Head Hollow Pipe Plug	½ lb.	.22
		2"	Square Head Hollow Pipe Plug	¾ lb.	.31
		2½"	Square Head Hollow Pipe Plug	1¼ lbs.	.55
		3"	Square Head Hollow Pipe Plug	1¾ lbs.	.77
		3½"	Square Head Hollow Pipe Plug	2½ lbs.	1.02
		4"	Square Head Hollow Pipe Plug	3½ lbs.	1.19
4092	12	2½"	Inlet Self-Sealing Coupling Valve	13 lbs.	164.50
4093	13	2½"	Inlet Self-Sealing Coupling Valve	15 lbs.	179.50
4096C	13	2½"	Hydrant Adapter	9 lbs.	70.00
4096D	13	2½"	Tank Truck Adapter	8½ lbs.	65.00

Item No.	Catalog Page No.	Size		Net Wt.	Price
4102	36	1½"	Multiple Inlet Angle Check Valve, Less Strainer	15 lbs.	$27.25
4102A	36	1½"	Multiple Inlet Angle Check Valve, With Strainer	15¼ lbs.	28.10
6094	18	1" x ¾"	Iron Bushing	3 oz.	.40
7577	24		Wrench for No. 725A Manhole and Fill Box	14 oz.	.50

Item No.	Catalog Page No.	Size		Net Wt.	Price
	19		Additional for Special Finishes on All Hose Nozzle Valves and Tubes Except Nos. 800E and 800K		
			Extra for Chromium Plating		
			Hose Nozzle Valve Complete, Chromium Plated and Polished		$ 3.83
			Hose Nozzle Valve Complete, Satin Chromium		3.22
			Curved Rigid Tube or Flexible Tube, Chromium Plated and Polished		1.03
			Curved Rigid Tube or Flexible Tube, Satin Chromium		1.03

REPAIR PARTS PRICES FOR
BUCKEYE VALVES AND FITTINGS

Nos. 800, 800E, 800F, 800K PARTS PRICES

	No. 800E Brass	No. 800F Aluminum	Price
Cap	No. 5182-10	No. 6486	$1.14
Spring	No. 5182-11	No. 5182-11	.45
Disc Assembly	No. SA-800-5	No. SA-800-5	1.51
Basket Only	No. 6966	No. 6966	.54
Disc Only	No. 5182-14	No. 5182-14	.32
Cushioning Washer	No. 5182-30	No. 5182-30	.54
Lever	No. 5182-16	No. 5182-36	.73
Stem	No. 7048	No. 5182-17	.84
*Packing	No. 5784-7B	No. 5784-7B	.24
*Packing Gland	No. 8384-4	No. 8384-4	.32
*Gland Spring	No. 8758	No. 8758	.22
*Stuffing Box	No. 8384-1	No. 8384-1A	.45
Cotter Pin	No. 5966	No. 5966-1	.02
Lever Rivet	No. 6010-1	No. 6010-1C	.14
Side Cap	No. 5784-8	No. 5784-8	.45

*These parts are required if it is desired to make No. 800E spring loaded packing type out of No. 800 previously furnished for many years. If repairs for No. 800 only are desired, order the following parts:

	No. 800 Only	
Packing	No. 5784-7	.24
Packing Gland	No. 5784-6	.32
Stuffing Box	No. 5784-5	.45
Parts for No. 800K are interchangeable with No. 800E, except Guard and Lever Assembly	No. SA-800K-5	1.80

CHECK VALVE PARTS FOR Nos. 800, 800E, 800F AND 800K

Spring	.34
Screw	.05
Cork Disc	.12
Disc Nut	.10
Check Guide	.14
Stem Assembled Complete	.41

FLEXIBLE TUBING

For extra lengths of standard ⅞" I.D. Flexible Tubing beyond the regular length of 10":

Between 10" and 24" Per Inch	Less Than 10" Per Foot	10 Foot Lengths Per Foot	25 Foot Lengths Per Foot
$ .28	$1.74	$1.50	$1.35

OTHER HOSE NOZZLE VALVES

	No. 651 and Other Type "M" Nozzles	No. 486, No. 782-1", "K" & "L" Types
Cap	$1.14	$1.14
Stem	.84	.84
Stem Assembled Complete	1.51	1.51
Composition Disc	.32	.32
Brass Washer	.14	.14
Stem Nut	.14	.14
Lever (Give Nozzle No.)	.73	.73
Stuffing Box	.45	.45
Side Cap	.45	.45
Packing Gland	.32	.32
Main Valve Spring	.45	.45
Lever Rivet	.14	.14
Packing	.24	.24

	No. 782 and No. 882—1¼" and 1½" Nozzles	No. 782 and No. 882—2" Nozzles	No. 773 and No. 773A—2½" Nozzles
Cap	$1.34	$1.91	$2.09
Stem	.86	2.60	2.75
Stem Assembled Complete	*3.81	*8.29	*10.03
Composition Discs (Set of 2)	1.38	1.87	2.33
Small Basket (Double Disc)	.35	.84	1.24
Seat Ring (Double Disc)	.67	1.66	2.09
Lever (Give Nozzle No. & Size)	.73	.73	.73
Stuffing Box	.45	.54	.54
Side Cap	.45	.54	.54
Packing Gland	.32	.45	.54
Main Valve Spring	.54	.54	.84
Lever Rivet	.14	.14	.14
Packing	.24	.24	.24

*Includes brass baskets

No. 820F "SAFETY-FILL" NOZZLE PARTS PRICES

8186	R.H. Machine Screw, ¼" Dia.—20 threads per inch—⅝" long	$ .12
7310	R.H. Machine Screw, No. 8—32 threads per inch—¼" long	.07
6095	Taper Pin No. 00000 x 5/16" long	.24
6094	Reducing Bushing, iron pipe thead, ¾"—14 threads per inch and 1"—11½ threads per inch	.40
5820-17A	Diaphragm Cap	1.88
5820-50	Nozzle Body Cap	.56
5820-33	Hand Guard	1.49
5820-37A	Hex Plug	.56
5820-39	Packing Nut	.40
5820-5	Lock Nut	.47
5820-13	Roller	.32
5820-2	Vent Screw	.32
5820-36	Valve Stem	.32
5820-15C	Cover	.62
5820-1	Spout Only (For No. 630B Tube Assembly)	1.57
5784-7B	Packing (only one unit required)	.24
8384-4	Packing Gland	.32
8758	Gland Spring	.20
5820-10	Trip Rod Spring	.24
5820-22	Diaphragm Spring	.24
5820-25	Valve Spring	.40
5820-7	Rivet—3/16" x 1½"	.24
5820-32	Rivet—3/16" x 1⅛"	.24
5820-31	Bumper	.32
5820-55	Trip Rod Bushing	.25
5820-18	Diaphragm Only	.32
5820-29	Disc Only	.32
SA-820-1	Small Tube with No. 5820-35 wedge	1.02
SA-820-3	Diaphragm Assembly	.62
SA-820-4	Valve Assembly	.94
SA-820-6	Lever Complete with Trip Rod Assembly	2.04
SA-820-7	Trip Rod Assembly	.78
SA-820-9	Body with small tube	5.48
No. 820C	Inlet Check Valve—1" x ¾"	2.20
No. 820C	Inlet Check Valve—1" x 1"	2.20
No. 820E-1	Internal Check Valve	2.20
	No. 820 Parts Only (Not No. 820F)	
5784-7	Packing (per set of two)	.24
5820-40	Packing Gland	.32
5820-37	Hex Plug	.56
5820-34	Lever	.63
5820-41	Lever Pin	.17
5820-35	Wedge	.11

No. 845C FARM NOZZLE PARTS PRICES

The following parts are the same as No. 800E and No. 800F:

Cap	Side Cap
Main Valve Spring	Packing
Basket	Packing Gland
Disc	Gland Spring
Disc Assembly Complete	Stuffing Box

The following are the same as No. 651:

Disc Nut	Disc Washer

The following are for No. 845C Nozzle only:

No. 809-3	Aluminum Tube	1.37
8138-3	Brass Stem	.83
8245	Lever	.73

Nos. 890 or 890A "SAFETY-FILL" NOZZLE PARTS PRICES

625-7	Inlet Strainer	$10.18
820-E-2	Internal Check Valve	2.20
5377-5	Disc	1.02
5528-22	Valve Spring	.54
5547-2	Disc Nut	.11
5820-2	Vent Screw	.32
5820-13	Rollers	.32
5820-17A	Diaphragm Cap	1.88
5820-35	Vent Tube Wedge	.11
5966-1	Cotter Pin	.11
5991	Guard	4.08
5992	Lever	.84
6010-1-C	Lever Rivet	.11
8186	Dia. Cover Screw	.12
6262-1	Trip Rod Cover Screw	.11
7191	Body	10.11
7193	Cap	3.51
7215-1	Bushing	.25
7354	Trip Rod Spring	.24
630B-2	Curved Rigid Tube with Lock Nut	2.86
7456	Tube Lock Nut	.46
7481	Restrictor Plug	.48
7545	Valve Stem	.75
7546	Stem Lock Nut	.13
691B-1	Straight Rigid Tube with Lock Nut	2.86
7612	Guard Screw	.11
7613	Piston	2.20
7830	Trip Rod Cover	.75
7927	Diaphragm Spring	.24
7928	Gland Spring	.28
7929	Stuffing Box	.35
7930	Gland	.33
7939-1	Dia. Cover Lock Washer	.11
7988	"C" Washer Stem	.11
7990	Packing	.24
SA-820-3	Diaphragm Assembly	.62
SA-890-3	Trip Rod Assembly	1.98
SA-890-4	Vent Tube Assembly	.78
826B-2	Grounding Cable Assembly	2.93
551-2	1½" x 1¼" Reducing Bushing	3.06

Nos. 432, 432B, 432F or 432R RISING STEM GATE VALVES

	1½"	2"	2½"	3"
Cap	$1.97	$2.75	$4.38	$6.52
Stem	1.75	2.18	4.38	6.52
Stuffing Box	.54	.67	1.12	1.12
Gland	.35	.35	.67	.67
Wheel	.35	.35	.67	.67
Wheel Nut	.11	.11	.11	.11

Nos. 433, 433B, 433F or 433R LOCK TYPE GATE VALVES

Prices same as above except

	1½"	2"	2½"	3"
Cap	$4.38	$5.47	$7.65	$8.71
Lock Arm	.54	.54	1.12	1.12

No. 440 FILL CAP

	2"	2½"	3"	3½"
Body	$1.03	$1.19	$1.35	$2.78
Lid	.41	.53	.67	1.18

Nos. 449, 450 or 461 FLUSH FILL BOXES

	2"	2½"
Body	$3.48	$3.99
Top Lid and Washer	2.78	3.99
Lock Lid Complete with Washer	2.53	3.06
Lock Arm	.31	.31
No. 1429-2 Wrench	.41	.41
Small Washer	.31	.31
Large Washer	.35	.35

	3"	4"
Body	$5.95	$8.34
Top Lid and Washer	4.50	6.64
Lock Lid Complete with Washer	3.43	4.50
Lock Arm	.31	.31
No. 1429-2 Wrench	.41	.41
Small Washer	.35	.41
Large Washer	.41	.67

No. 452 PLAIN FLUSH FILL BOX

	2"	2½"	3"
Body	$1.63	$2.11	$2.62
Lid and Washer	1.90	2.53	3.34
Washer Only	.31	.31	.41
No. 2739-3 Wrench	.33	.33	.33

	3½"	4"	6"	8"
Body	$4.10	$5.30	$8.34	$23.51
Lid and Washer	5.81	6.64	8.34	26.28
Washer Only	.41	.53	1.03	1.24
No. 2739-3 Wrench	.33	.33	—	—

No. 461 (SEE No. 449)

Nos. 464 or 464A DOUBLE POPPET ANGLE CHECK VALVES

	1½"	2"
Cap and Gasket	$4.10	$5.81
Large Gasket	.31	.31
Small Gasket	.31	.31

No. 466 1½" OR 2" FOOT VALVE EXTRACTOR FITTING

Upper Lid with Gasket	6.64
Inside Bushing with Gasket	7.44
Large Gasket	.41
Small Gasket	.41

Nos. 556 or 699 AIR CHECK VALVES

	¼"	⅜"	½"	¾"	1"
Disc Only	$ .31	$ .31	$ .31	$ .36	$ .45

Nos. 559, 559A, 559AS, 559B or 559BS ANGLE CHECK VALVE EXTRACTOR FITTINGS

	1½"	2"
Lid and Gasket	$4.10	$5.81
Large Gasket	.31	.31
Small Gasket	.31	.31

No. 571 MANHOLE FLUSH FILL BOX

	2"	2½"	3"	3½"	4"
Outside Body	$2.78	$3.19	$3.88	$4.84	$6.22
Top Lid and Washer	2.75	3.12	3.60	4.15	5.53
Brass Body	3.78	4.31	5.15	6.22	7.61
Lock Cap and Washer	2.68	3.06	3.43	4.15	5.06
Top Washer Only	.35	.41	.67	.67	1.03
Cap Washer Only	.31	.31	.35	.35	.41
No. 1429-2 Wrench	.41	.41	.41	.41	.41

Nos. 600A, 601A, 602A, 603A or 629A SWING JOINTS

	1¼"	1½"	2"	2½"	3"
Packing (per set)	$ .70	$1.25	$1.43	$1.63	$2.08
Nipple	2.76	3.60	5.40	7.18	10.78

No. 605 TANK TRUCK FAUCET

	1½"	2"
Body	$6.36	$9.12
Top Cap	1.46	1.74
Spring	.73	.73
Stem	1.34	1.46
Composition Disc	.73	.86
Disc Nut	.35	.35
Disc Washer	.35	.35
Nipple	3.28	3.69
Steel Stem	1.18	1.18
Stuffing Box	.73	.73
Cam or Lifter	.54	.54
½" Stud and Nut	.54	.54
Stem Complete with Disc	2.75	3.01

Nos. 608 or 609 TANK CAR ELBOWS

Leather Gasket Only for No. 608 or No. 609	.67

No. 611 UNION WRENCH COUPLING

	Handle	Bushing	Nipple
2"	$3.28	$3.28	$4.27
2½"	6.75	6.75	9.36
3"	9.83	9.83	15.88

No. 614 DOME COVER

	4"	6"
Washer Only	$ .53	$1.03

Nos. 618 or 619 COMPOSITION DISC FOOT VALVES

	1½"	2"
Disc Assembly Complete	$3.15	$3.42
Springs, Each	.31	.42

Nos. 620 or 620A COMPOSITION DISC ANGLE CHECK VALVES

	1½"	2"
Disc Assembly Complete	$3.15	$3.42
Springs, Each	.31	.42

No. 623 PLAIN FLUSH FILL BOX, LIGHT WEIGHT

Lid and Washer	1.61
Washer Only	.31
No. 2739-3 Wrench	.33

No. 627 FILL CAP

Lid and Washer Only	1.43

No. 629A (SEE Nos. 600A, ETC.)

No. 632 WATERTIGHT FILL CAP

	2"	2½"	3"	3½"	4"
Brass Body	$2.01	$2.27	$2.45	$3.36	$4.69
Lid and Washer	1.20	1.43	1.63	2.07	2.91
Washer Only	.31	.31	.31	.35	.41

No. 646 TANK TRUCK NOZZLE

For extra length of tube, 1½" size—per inch beyond our standard 9½"	.19
For extra length of tube, 2" size—per inch beyond our standard 9½"	.23

No. 654 ALL-BRASS FILL CAP

	2"	2½"	3"	4"
Body	$3.34	$3.69	$4.35	$7.48
Lid and Washer	1.71	1.86	2.30	3.82
Washer	.31	.31	.41	.53

Nos. 655A, 656A, 655AS or 656AS ANGLE CHECK VALVE EXTRACTOR FITTINGS

Upper Lid and Gasket	4.10
Large Gasket	.31
Small Gasket	.31
Disc for No. 656A or No. 656AS	.51

Nos. 658C or 672C LOADING VALVES

	2"	2½"	3"	4"
Composition Disc, Large	$1.15	$1.58	$3.18	$4.31
Composition Disc, Small	.72	.75	1.02	1.16
Set of Two Discs, Only	1.87	2.33	4.20	5.47
Lifter	.83	.94	1.03	1.35
Crimp	1.24	1.83	2.00	2.50
Spring	.84	1.03	1.03	2.24

No. 662 TANK TRUCK NOZZLE

For longer lengths than our standard 16", add as follows:

1⅝"	per inch	.19
1⅞"	per inch	.23
2¼"	per inch	.36

Nos. 669 BOTTOM-OPENING, 774 or 774F ANGLE LINE STRAINERS

	1½"	2"	2½"	3"
Cap and Gasket	$2.99	$3.47	$4.47	$6.43
Gasket	.25	.25	.25	.25
Clamp	1.79	1.79	2.99	5.44
Clamp Screw	.21	.21	.21	.21
20-40-60-80-Mesh Strainer Screen Only	5.03	5.64	7.19	9.44
100-Mesh Strainer Screen Only	6.45	7.26	9.25	12.13
200-Mesh Strainer Screen Only	10.03	11.27	14.35	18.83

No. 672C (SEE No. 658C)

No. 676 DOME COVER

Cast Iron Cap	3.34
Cast Iron Hinge Ring	2.62
Cast Iron Clamp Ring	2.92
Cast Brass Latch	.53
Stainless Steel Flat Cap Spring	2.62
Stainless Steel Latch Spring	.53
Clamp Ring Gasket	.15
Latch Pin	.28
Brass Vent Housing Complete with 2 Discs	7.24
Brass Cap	1.34
Brass Screen	.31
Brass Ball	1.35
Large Gasket for Lid	.31
Small (Vent Valve) Gasket	.13

Nos. 677 or 677C FOOT VALVE EXTRACTOR FITTINGS

Cast Brass Cap—No Gasket	4.10
Crimp Ring—No Gasket	2.09
Composition Disc	1.12
Composition Crimp	1.12

Nos. 688 or 688S TANK TRUCK FAUCETS

	2"	2½"	3"
Top Cap	$1.97	$2.09	$4.37
Spring	.73	.84	1.08
Composition Disc	.86	1.50	1.97
Disc Nut	1.33	1.46	2.71
Basket	1.97	2.09	4.29
Nipple	3.69	3.75	6.22
Steel Stem	1.75	2.09	4.29
Stuffing Box	.73	.84	1.24
Cam or Lifter	1.33	1.46	2.71
Basket Complete with Disc	5.75	6.78	12.11

Nos. 694 or 694B LOADING VALVE

	2"	2½"	3"
Composition Disc	$ .86	$1.50	$1.97
Spring	.73	.84	1.08

No. 699 (SEE No. 556)

Nos. 706 or 706A SINGLE POPPET ANGLE CHECK VALVES

Cap and Gasket	4.10
Small Gasket	.31
Large Gasket	.31

Nos. 714A or 714S SLUDGE PUMPS

Crimp	.90

No. 725A MANHOLE AND FILL BOX

Fill Box Lock Cap Assembly for either 2", 2½" or 3" size	11.91
No. 7577 Wrench	.50

Nos. 750 or 750A EXTRACTOR TYPE CHECK VALVES

Cage Assembly Complete (SA-750-1)	8.25
Poppet Assembly (SA-750-3)	1.87
"O" Ring (Poppet—No. 8640-22)	.44
"O" Ring (Cage—No. 8640-18)	.55

No. 752 FILL CAP

	Body Only	Lid & Gasket	Gasket Only
2"	$1.18	$2.19	$ .31
3"	1.86	3.09	.31
4"	3.12	5.49	.41

Nos. 769 or 769F TOP-OPENING LINE STRAINERS

	2"	2½"	3"	4"
Parts prices same as No. 669, except				
20-40-60-80-Mesh Strainer Screen Complete	$ 7.76	$ 9.80	$12.42	$21.74
100-Mesh Strainer Screen Complete	9.36	11.85	15.10	26.24
200-Mesh Strainer Screen Complete	13.36	16.96	21.80	37.51

Nos. 774 or 774F (SEE No. 669)

No. 851 VERTICAL CHECK VALVE

	1½"	2"
Composition Disc	$ .73	$ .86
Spring	.45	.45

No. 852 FLUSH FILL BOX

	2"	3"	4"
Top Brass Lid with Gasket	$1.21	$2.53	$7.75
Lid Gasket Only	.28	.44	.85
Brass Insert including Screws and Gasket	1.82	2.81	6.50
Insert Gasket Only	.33	.55	.60
Screws (Each)	.22	.22	.22

Nos. 872 or 872T STRAINERS

	2½"	3"
Cap	$1.78	$2.08
Cap Gasket	.25	.28
Chain	.07	.07

No. 872 Only

Nipple	3.63	4.65
Strainer	2.62	3.05

No. 872T Only

Nipple	6.13	7.65
Strainer	6.89	8.18

No. 884 NEW YORK CITY FILL BOX

	2"	3"
Top Lid	$5.05	$6.15
Top Lid Gasket Only	1.35	1.65
Inside Lock Cap	2.80	4.50
Lock Cap Gasket Only	.35	.50
Replacement Insert	3.10	5.85
Gasket for above	.35	.50
Elbow and Check Valve	4.90	8.40
Check Valve Gasket Only	.35	.50

Buckeye

Products manufactured by Buckeye Iron and Brass Works have been known for years for their quality and dependability.

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